

FINAL REPORT**APPENDICES****TASK ORDER 5, Deliverable No. 5:****ANALYSIS OF INTERACTIONS BETWEEN THE MACROECONOMY AND
FOOD STAMP PROGRAM CHANGES**

Project Title: Omnibus Reconciliation Act Study

Agency: U. S. D. A. Food and Nutrition Service

Contract Number: Contract No. 53-3198-4-9
(Competitively Awarded)

Submitted by: The Urban Institute (prime contractor)
2100 M Street, N. W.
Washington, DC 20037
and
Data Resources, Inc. (sub-contractor)
1750 K Street, N. W.
Washington, DC 20006

**Department
Project Officer:** Steven Carlson
USDA/FNS
Office of Analysis and Evaluation
3101 Park Center Drive, Room 1012
Alexandria, VA 22302

Authors: Richard Wertheimer (Data Resources, Inc.)
Thaddeus Fletcher (Data Resources, Inc.)

Date Submitted: October 1985

TABLE OF CONTENTS

	<u>Page</u>
THEORETICAL DEVELOPMENT OF A MACROECONOMIC MODEL OF THE FOOD STAMP CASELOAD AND AVERAGE BENEFITS	A1-A7
A NATIONAL MODEL AND INDIVIDUAL REGIONAL MODELS OF THE FOOD STAMP CASELOAD AND AVERAGE BENEFIT	B1-B46
VARIABLE DESCRIPTION	C1-C5
DESCRIPTION OF EQUATIONS NOT USED IN THE FOODSTAMP MODEL	D1-D6
DETAILS OF THE DECO AND RIS SIMULATIONS AND THE BRIDGE EQUATIONS	E1-E39
COUNTERFACTUAL SIMULATION RESULTS	F1-F20

APPENDIX A. THEORETICAL DEVELOPMENT OF A MACROECONOMIC MODEL OF THE FOOD STAMP CASELOAD AND AVERAGE BENEFITS

The purpose of this appendix is to present a detailed theoretical macroeconomic model that can produce forecasts of the caseload of the food stamp program.

The theoretical structure of the recipient equation is based upon the following identity:

$$\text{FPERS} = \text{FPERSELIG} * \text{FPERSPART} \quad (1)$$

where

FPERS is the number of persons receiving food stamp benefits;

FPERSELIG is the number of persons eligible to receive food stamp benefits; and

FPERSPART is the participation rate of persons eligible to receive food stamp benefits.

In other words, the number of persons receiving food stamp benefits is identically equal to the number of persons eligible to receive benefits multiplied by their rate of participation.

Unfortunately, it is impossible to measure directly either of the two variables on the right side of the identity. Eligibility can be determined only by going through an administrative process, and non-participant persons, by definition, do not go through this process. Similarly, the participation rate cannot be observed since the size of the eligible population is not known.

Although neither the eligible population nor the participation rate can be directly observed, both variables can be proxied. Proxies for these two types of variables will be discussed in turn.

a. Proxying the Eligible Population

In the case of the eligible population, the proxies fall into two categories--variables which measure populations which overlap with the eligible population and variables which are correlated (negatively or positively) with the size of the eligible population.

Overlapping Variables. The population in poverty has a high degree of overlap with the food stamp population. This is because one of the most important tests for food stamp eligibility is that a household's net income be below the poverty line.¹ However, the correspondence is not exact. Some families below the poverty line fail to qualify for food stamps because they fail to meet the asset test. Many families above the poverty line do qualify because their net income falls below the poverty line even though their gross income does not.

¹ Net income is defined as gross income less certain deductible expenses including shelter and medical expenses. After OBRA81 a gross income limit of 130 percent of the poverty line also applies.

Overlapping with both the poverty population and the food stamp eligible population are the AFDC and SSI recipient populations. (SSI and AFDC are provided to a significant share of the overall poverty population. However, many of the poor do not qualify for either program due to categorical restrictions.)

Ideally, the overlapping sections of these three populations would be eliminated prior to using these three measures as a proxy for the food stamp eligible population. We would identify the following groups: (1) the AFDC recipient population; (2) the SSI recipient population; and (3) the poverty population not on either AFDC or SSI. However, data problems make this impossible. Therefore, persons who are both in poverty and are on either the AFDC or SSI program are counted twice--once in the poverty population and once in either the AFDC or SSI recipient population. This overlap causes a tendency for all three measures of the eligible population to move up or down together--in other words, to be correlated. This problem is aggravated by the likelihood that the size of all three groups will be related to cyclical fluctuations in economy as well as secular trends in real income.

Correlated Variables. Variables which are likely to be related to the size of the eligible population (as opposed to being a partial measure of the population itself) include real average income per capita, long-term unemployment, and the female labor force participation rate. Increases in real income should be associated with movements out of the eligible population. High rates of long-term unemployment should be associated with exhaustion of unemployment

insurance benefits and, hence, with a larger eligible population. However, to the extent that increasing rates of labor force participation among women have led to a larger number of two-earner families, the eligible population may have gotten smaller--even where unemployment is high and of long duration.

The correlated variables are less important than the overlapping variables. To the extent that the variables measuring the eligible population do so accurately, there is nothing left for the the second category variables to explain. However, the three variables we have identified so far--the poverty population, the AFDC population, and the SSI population--fail to include the near-poor who are ineligible for AFDC and SSI due to categorical restrictions and also include some persons who are not eligible for food stamps. The role of the other variables associated with eligibility is to adjust for this lack of perfect measurement. For example, the working near-poor population eligible for food stamps may expand or contract cyclically. The long-term unemployment rate may proxy this phenomenon sufficiently well to add something to the explanatory power of a recipient equation.

We can use the foregoing discussion to produce the following equation:

$$FPERSELIG = B_0 + B_1 * POVERTY + B_2 * AFDC + B_3 * SSI + f(REALYP\%N, RD52\%, LRLPRF), \quad (2)$$

where POVERTY is the number of persons in poverty;

AFDC is the number of AFDC recipients;

SSI is the number of SSI recipients;

REALYP%N is real income per capita;

RD52& is the fraction of the unemployed who have been unemployed for at least 52 weeks; and

LRLPRF is the labor force participation rate of women.

b. Proxying the Participation Rate

The participation rate among eligibles, **FPERSPART**, is likely to be affected by both the benefits and costs of participation. The major benefit of participation is to receive income. The value of this benefit increases if alternative sources of income (such as working) are more difficult to find. Thus, we should expect that the probability of participating in the program, given eligibility, is related to the real benefit of participation (which can be measured by the maximum benefit for a family of four) and inversely related to the availability of jobs in the labor market (which can be measured by the unemployment rate). In addition, given the availability of jobs, we can expect that the probability of participation is inversely related to the real wage rate--the opportunity cost of participation in the program.

This can be expressed algebraically as follows:

$$FPERSPART = f(REALMAXALLOT, RU, REALW) \quad (3)$$

where FPERSPART is the ratio of recipients to persons in eligible households--in other words, the participation rate;

REALMAXALLOT is the real maximum food stamp allotment for a family of four;

RU is the unemployment rate; and

REALW is the real wage rate.

Unfortunately, RU and REALW both vary cyclically and are likely to be correlated with one another and also with the size of the poverty population, and the AFDC and SSI populations, as well as real per capita income and long-term unemployment.

c. Combining Eligibility and Participation into a Single Equation

Since equations (2) and (3) cannot be estimated separately (since FPERSELIIG and FPERSPART cannot be measured), we must substitute them back into a person version of equation (1) to obtain the following reduced-form equation:

$$FPERS = f(POVERTY, AFDC, SSI, REALY, RD52\%, LRLPRF, REALMAXALLOT, \bar{U}, REALW). \quad (4)$$

Equation 4 assumes that the food stamp program characteristics remained constant. However, major changes in the program were made in 1979 with the elimination of the purchase requirement and at the end of 1981 and 1982 with the Omnibus Budget Reconciliation Acts (OBRA81 and OBRA82). The elimination of the purchase requirement is expected to have a large positive effect since it removed a major disincentive for participation in the program. OBRA81 and OBRA82 are expected to have negative effects since they restricted eligibility and/or reduced real benefits (at least temporarily). Consequently, in the specification used for estimation, dummy variables are included in equation (4) to account for the effect of these program changes. Equation (4) serves as the basis for the specification for the recipient equation. However, due to the correlation among the explanatory variables and the small number of time series observations, some changes are made to this specification in Chapter II.

**APPENDIX B. A NATIONAL MODEL AND INDIVIDUAL REGIONAL MODELS
OF THE FOOD STAMP CASELOAD AND AVERAGE BENEFIT**

The national model for the Food Stamp caseload has the following functional form specification:

$RFSTOTALRECIP@US = f(RAFDCCBR@US, RUC, RPOVERTY@US, ELIMPR, OBRA81)$

1. $RFSTOTALRECIP@US$ is the total number of Foodstamp recipients per capita;
2. $RAFDCCBR@US$ is the total number of persons per capita in the AFDC basic program;
3. RUC is the civilian unemployment rate;
4. $ELIMPR$ is a modified dummy variable representing the elimination of the purchase requirement; and
5. $OBRA81$ is a modified dummy variable representing the OBRA81 changes in the Food Stamp program.

The regression results follow.

Food Stamp Caseload

National Model

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIPUS

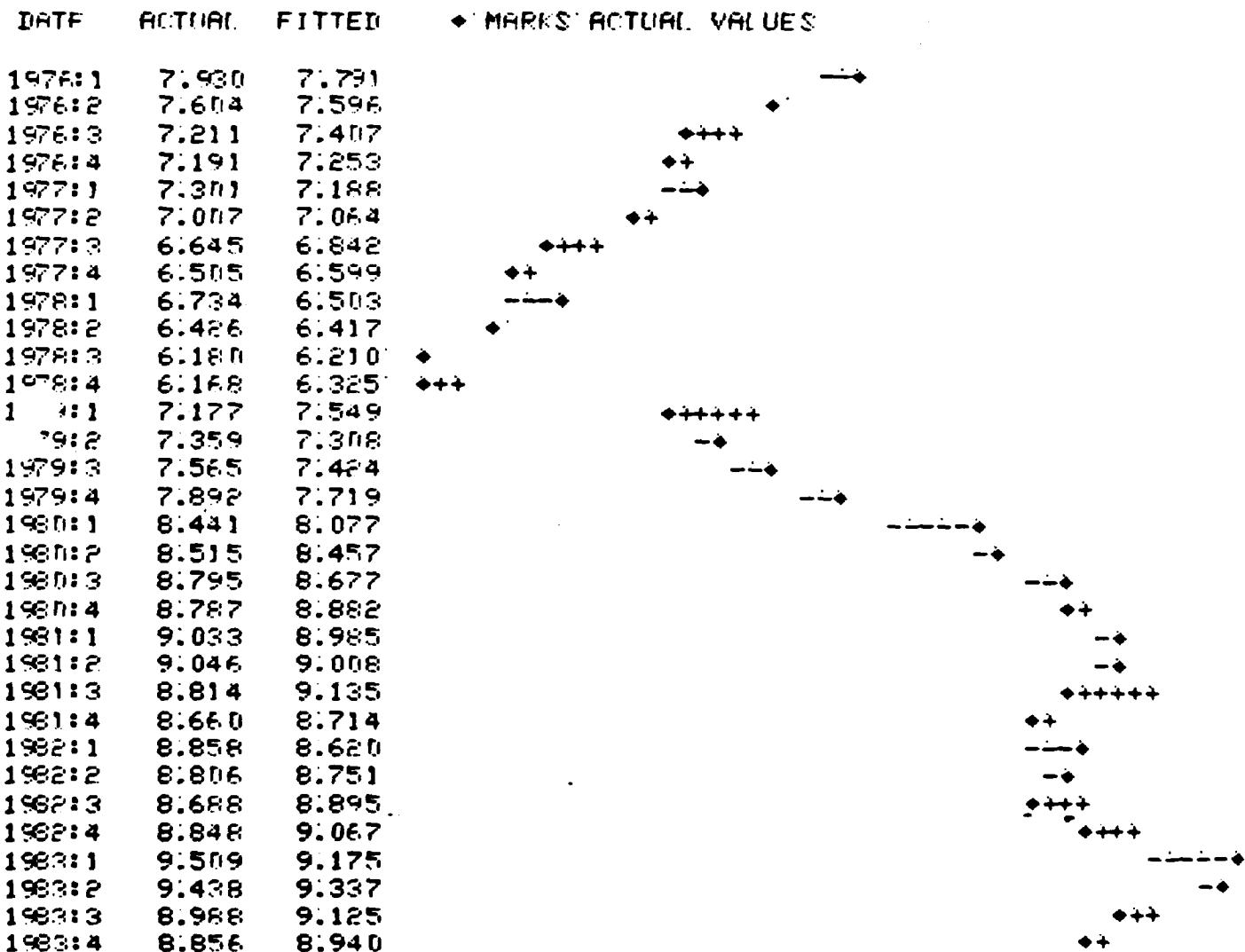
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-14.0417	2.955	-4.751	CONSTANT
1)	2.94214	0.5059	5.816	RADICBROUS
	0.154146	0.09002	1.712	RUC
3)	0.628535	0.1558	4.035	RPOVERTYBRS
4)	1.69964	0.1825	9.313	ELIMPR
5)	-0.0778182	0.3097	-0.2513	DEPRA81
	0.373641	0.2114	1.768	RHO

R-SQUARED: 0.9634

DURBIN-WATSON STATISTIC: 1.6441

STANDARD ERROR OF THE REGRESSION: 0.1961 NORMALIZED: 0.02462

Food Stamp Caseload
Recipients Per Capita
National Model
Actual vs. Fitted



The national model for the average benefit of the Foodstamp program is estimated in percent change. The functional form specification is:

$\%(\text{REALAVGFSCOST}@US) = f(\%(\text{REALMAXALLOT4}@US),$

$\%(\text{REALAUGAFDCTP}@US),$
 $\%(\text{CPIHOMETOLESSFOOD}@US), \text{ELIMPR},$
 $\text{OBRA81, OBRA82})$

where:

1. $\%(\text{REALAVGFSCOST}@US)$ is the percent change of the real (1967 dollars) average Food Stamp cost per recipient,
2. $\%(\text{REALAVGAFDCTP}@US)$ is the percent change of the real (1967 dollars) average AFDC payments per recipient,
3. $\%(\text{CPIHOMETOLESSFOOD}@US)$ is the percent change of the ratio of the CPI for food at home to the CPI for all items less food.

The regression results follow.

Food Stamp Cost
National Model

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: %REALAVGFS COSTUS

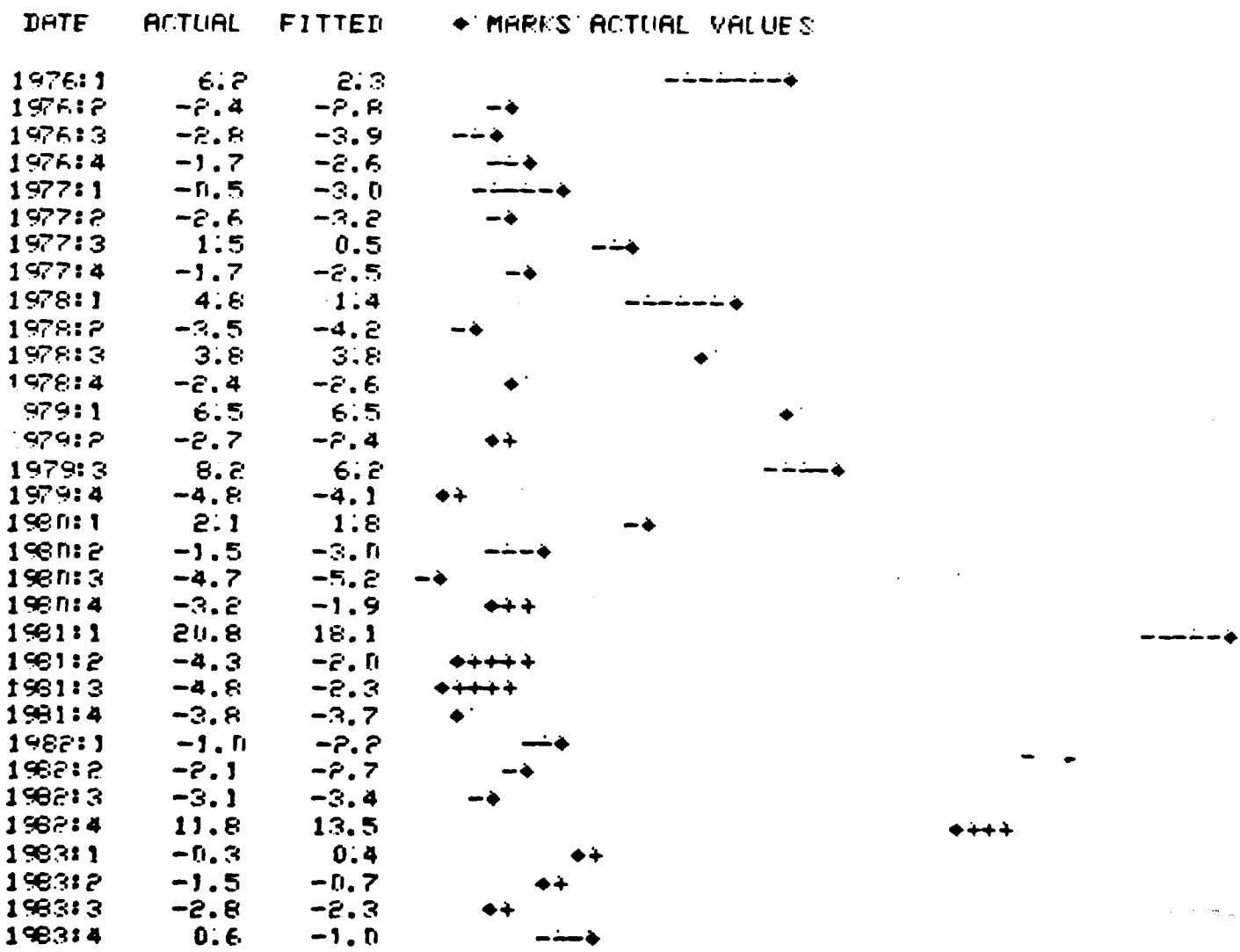
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.69783	0.11089	15.60	%REALMAXALLOT400USD
2)	-0.610666	0.1736	-3.518	%REALAVGAFDCTPUSD
3)	1.38923	0.2030	6.843	%CPIHOMETDI ESSFDDIUSD
4)	1.16150	0.4889	2.376	EL IMPR
5)	-1.84487	0.7341	-2.513	DRRA81
6)	0.812206	0.9668	0.8401	DRRA82
	-0.441287	0.1987	-2.221	RHD

R-SQUARED: 0.9049 (RELATIVE TO Y=0, RRSQ: 0.9051)

DURBIN-WATSON STATISTIC: 1.5086

STANDARD ERROR OF THE REGRESSION: 1.711 NORMALIZED: 6.957

Food Stamp Cost - Percent Change
 National Model
 Actual vs. Fitted



The regional model for the Food Stamp caseload has the following functional form specification:

RFSTOTALRECIP@REG = f(RAFDCBR@REG,
RUQ2@REG, RPOVERTY@REG, ELIMPR@REG, OBRA81@REG) where

1. RFSTOTALRECIP@REG is the total number of Food Stamp recipients per capita within a particular region,
2. RAFDCBR@REG is the total number of persons per capita in a particular region participating in the AFDC basis program;
3. RUQ2@REG is the unemployment rate for a particular region;
4. RPOVERTY@REG is the regional poverty rate;
5. ELIMPR@REG is a modified dummy variable representing the elimination of the purchase requirement in a particular region; and
6. OBRA81@REG is a modified dummy variable representing the implementation of the OBRA81 changes in the Food Stamp program within a particular region.

@ REG represents any of the following nine regions: NENG for New England, MATL for Middle Atlantic, SATL for South Atlantic; ENC for the East North Central, EWC for the East West Central, WNC for the West North Central, WSC for the West South Central, PNW for the Pacific North West, and PSW for the Pacific South West.

Following each regression display are plots of the actual vs. the fitted values for the number of recipients per capita within a particular region and the total number of recipients in each region.

Recipients Per Capita

New England

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIPONENG

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-2.50588	2.930	-0.8552	CONSTANT
1)	1.54856	0.4038	3.835	RFDICRPNENG
	0.287722	0.04299	6.692	RNDPENENG
2)	0.0641408	0.1257	0.5101	RPOVERTYONENG
3)	0.0100848	0.1548	0.06515	ELIMPRONENG
5)	0.289989	0.3181	0.9116	OPRA81ONENG
6)	0.802383	0.2023	3.967	DUMMY781
.	0.193302	0.2244	0.8613	RHD

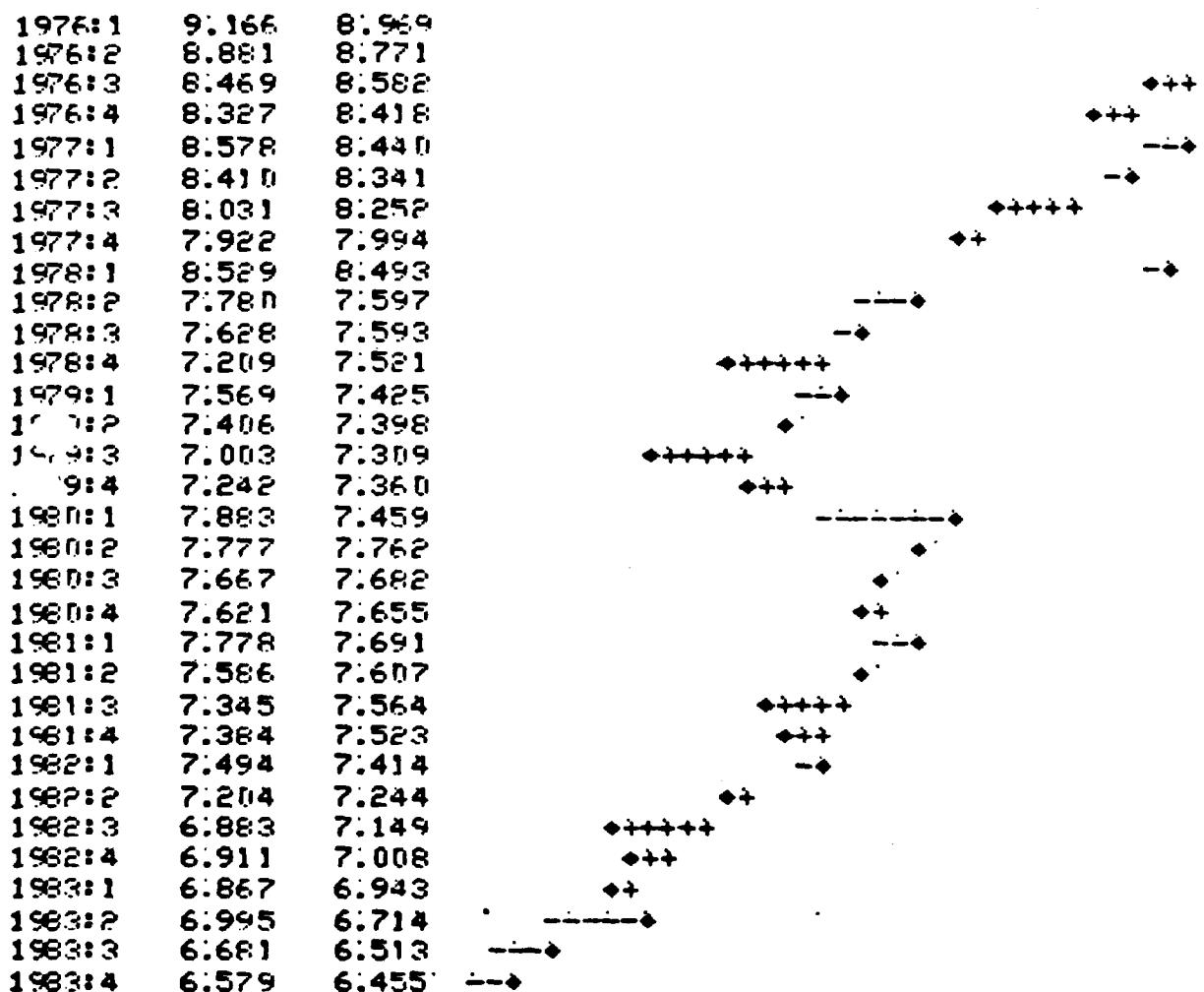
R-SQUARED: 0.9119

DURBIN-WATSON STATISTIC: 1.7807

STANDARD ERROR OF THE REGRESSION: 0.1921 NORMALIZED: 0.02511

Recipients Per Capita
New England
Actual vs. Fitted

DATE ACTUAL FITTED ◆ MARKS ACTUAL VALUES



?

Recipients Per Capita

Middle Atlantic

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIP@MATL

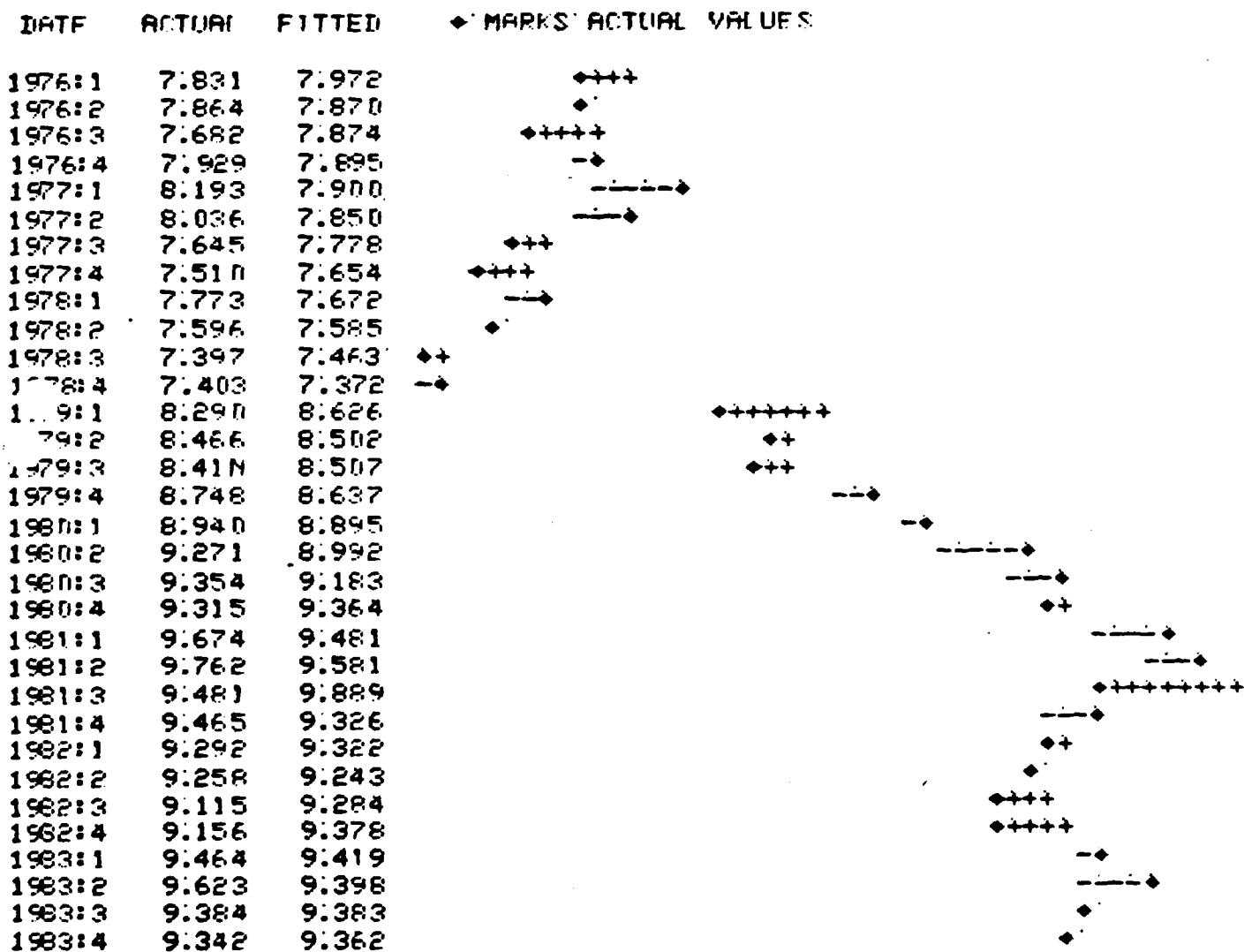
	Coefficient	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-11.4810	3.156	-3.638	CONSTANT
1)	1.97141	0.4364	4.518	RAFICBREMATL
2)	0.00902159	0.06036	0.1495	RUQZ@MATL
3)	0.729658	0.1255	5.813	RPOVERTY@MATL
4)	1.36804	0.1533	8.926	ELIMPRE@MATL
5)	-0.377214	0.2634	-1.432	DRRA81@MATL
	0.110698	0.2349	0.4713	RHO

R-BAR SQUARED: 0.9457

DURBIN-WATSON STATISTIC: 1.9428

STANDARD ERROR OF THE REGRESSION: 0.1862 NORMALIZED: 0.02154

Recipients Per Capita
Middle Atlantic
Actual vs. Fitted



?

Recipients Per Capita

South Atlantic

~~LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION~~QUARTERLY (1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RFSTOTALRECIPOSATL

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-11.5733	3.040	-3.807	CONSTANT

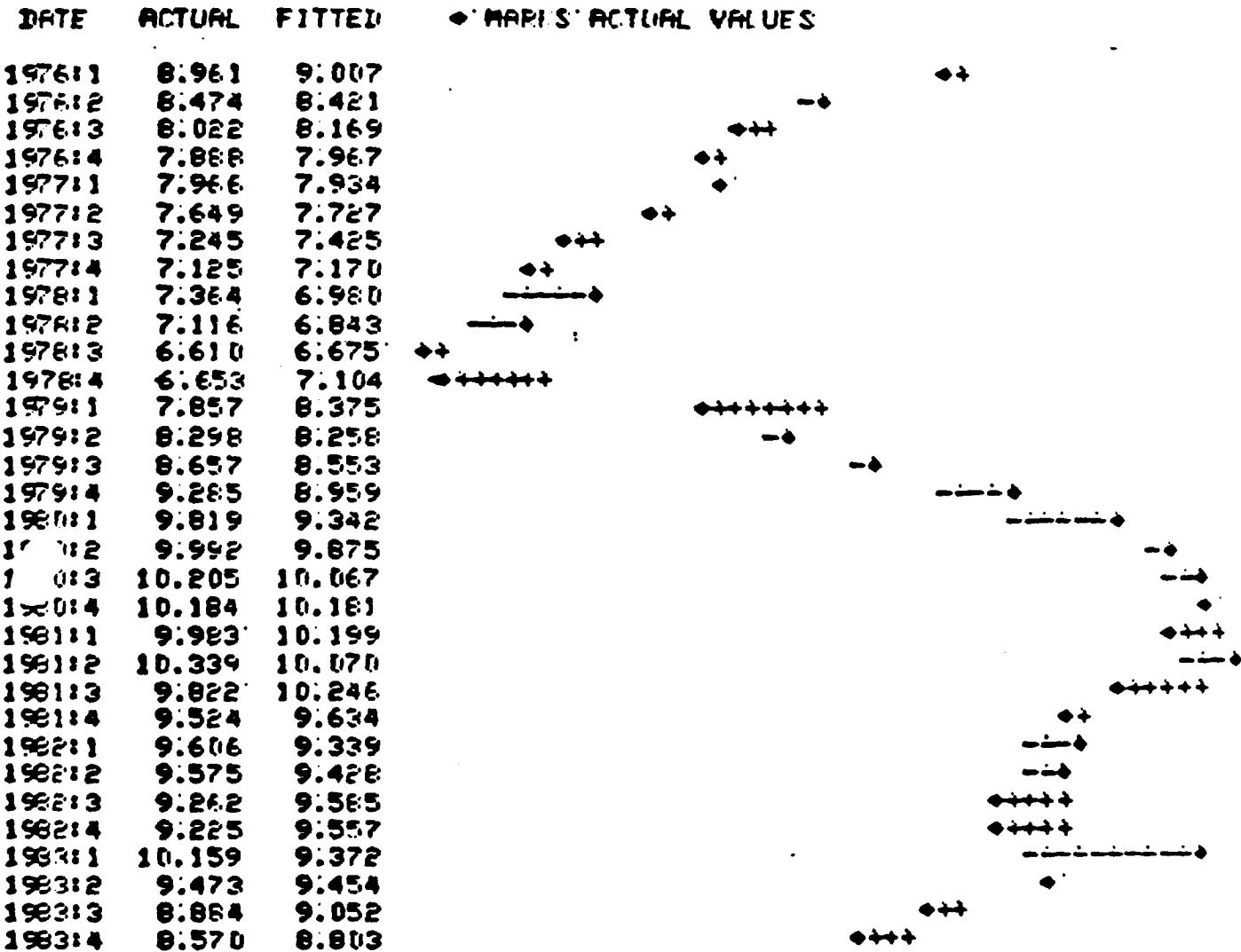
2)	0.230653	0.1576	1.464	RATIOESATL
3)	0.268448	0.1617	1.783	RPOVERTYESATL
4)	2.15268	0.3362	6.403	ELIMPROESATL
5)	0.0703441	0.4768	0.1475	DHRABIESATL
	0.326943	0.2141	1.527	RHO

R-SQUARED: 0.9236

DURBIN-WATSON STATISTIC: 1.7102

STANDARD ERROR OF THE REGRESSION: 0.3143 NORMALIZED: 0.03595

Recipients Per Capita
South Atlantic
Actual vs. Fitted



Recipients Per Capita

East South Central

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY (1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIPESCAPE

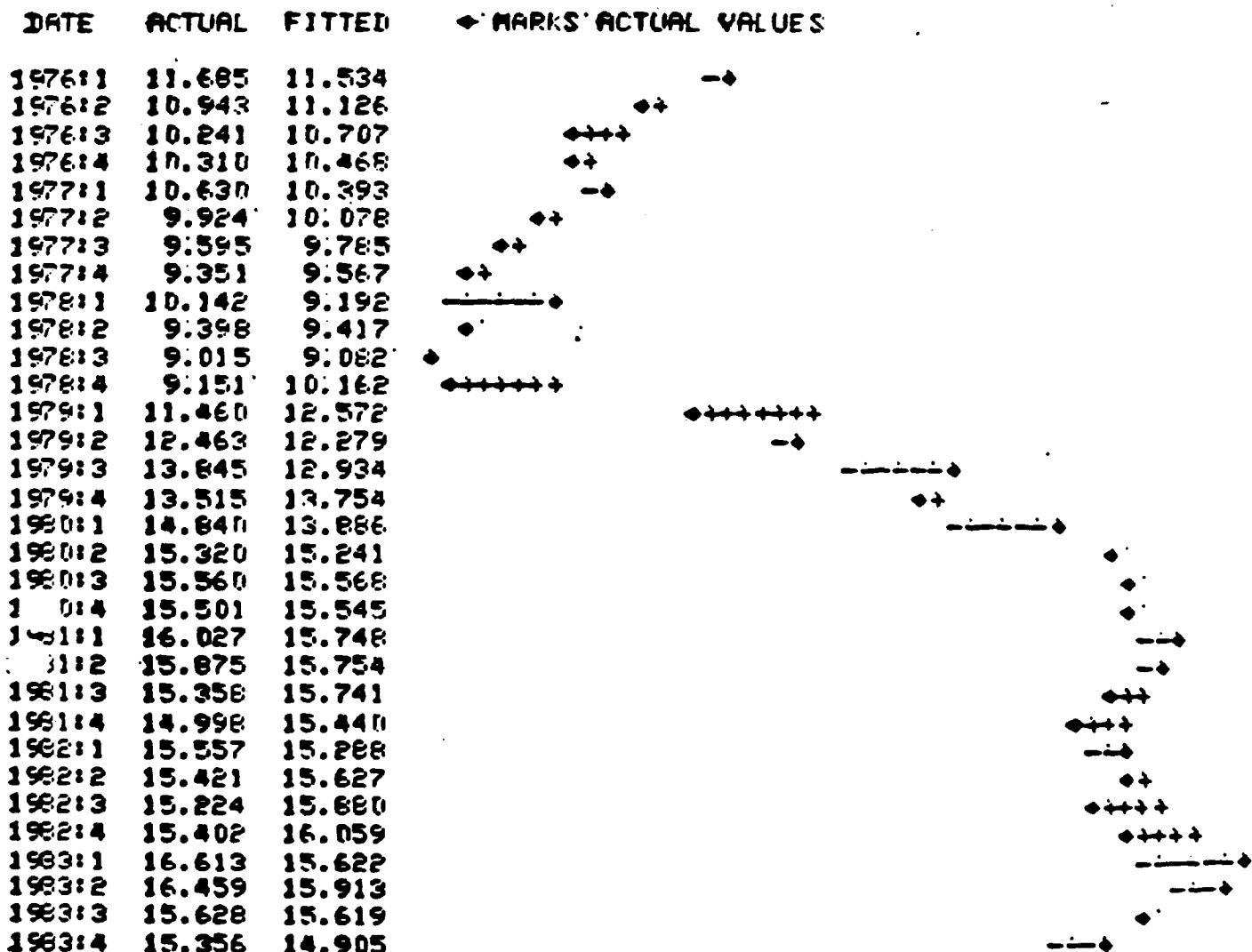
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-33.1685	5.635	-2.337	CONSTANT
1)	2.97495	0.9973	2.983	RFDICBRAESCAPE
2)	0.449351	0.1959	2.293	RUG2BESCAPE
3)	0.397933	0.3459	1.150	RPDVERTYBESCAPE
4)	4.00280	0.5758	6.951	ELIMPROBESCAPE
5)	0.432232	0.7951	0.5436	DRRABIBESCAPE
	0.407020	0.2021	2.014	RHO

R-SQUARE: 0.9539

DURBIN-WATSON STATISTIC: 1.7040

STANDARD ERROR OF THE REGRESSION: 0.5763 NORMALIZED: 0.04398

Recipients Per Capita
East South Central
Actual vs. Fitted



Recipients Per Capita

West South Central

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIP@WSC

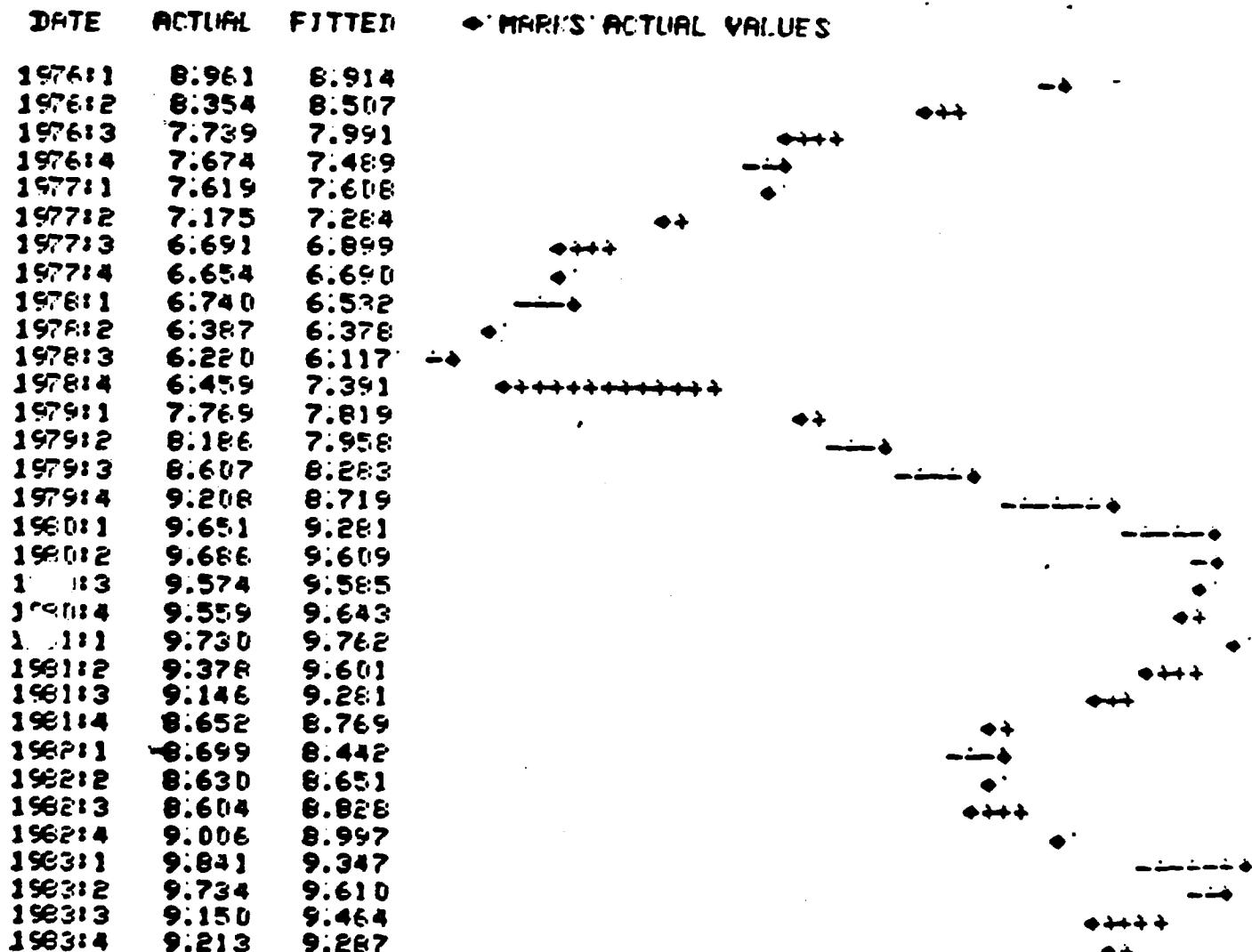
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-9.64836	2.965	-3.268	CONSTANT
1)	3.33644	0.5629	5.724	RAFDCEB@WSC
2)	0.314392	0.1159	2.713	RUR2@WSC
3)	0.304148	0.1391	2.187	RPOVERTY@WSC
4)	2.38495	0.3276	7.279	ELIMPRO@WSC
=)	0.209847	0.3899	0.5382	DHRABJ@WSC
	0.533240	0.1859	2.868	RHD

R-SQUARED: 0.9326

DURBIN-WATSON STATISTIC: 1.5755

STANDARD ERROR OF THE REGRESSIONS: 0.8976 NORMALIZED: 0.03544

Recipients Per Capita
West South Central
Actual vs. Fitted



Recipients Per Capita
East North Central

~~LEAST SQUARES WITH PERCENTAGE OF VARIATION EXPLAINED~~

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIPIENC

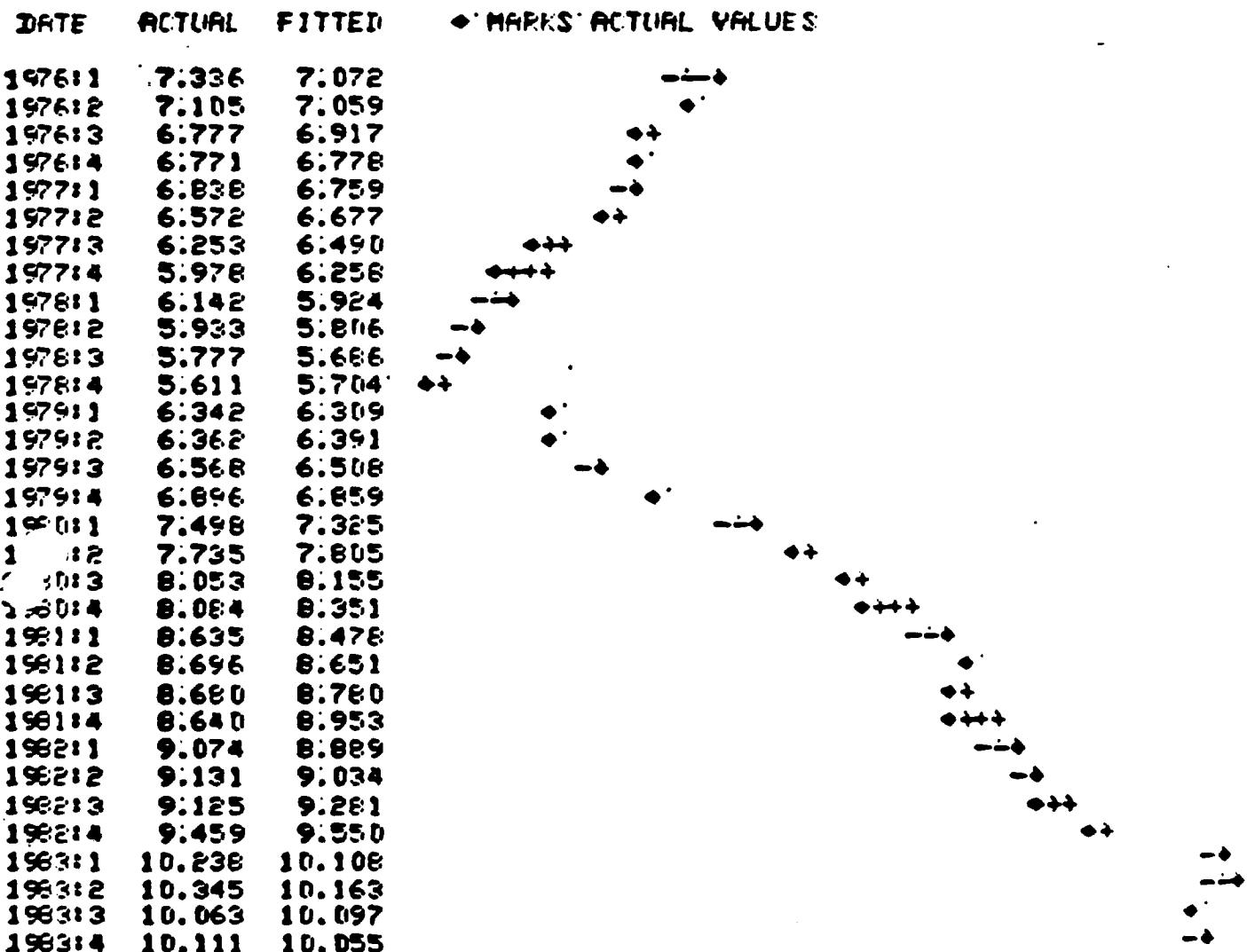
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-7.14226	1.325	-5.388	CONSTANT
1)	1.60463	0.3361	4.774	RADICPROENC
2)	0.0545840	0.04967	1.099	RUGZGENC
-	0.538777	0.09211	5.849	RPOVERTYGENC
)	0.563814	0.1530	3.685	ELIMPROENC
3)	0.181634	0.1857	0.9783	OKRAB1GENC
	0.156196	0.2022	0.7724	RHD

R-SQUARE: 0.9867

DURBIN-WATSON STATISTIC: 1.7901

STANDARD ERROR OF THE REGRESSIONS: 0.1688 NORMALIZED: 0.02189

Recipients Per Capita
East North Central
Actual vs. Fitted



Recipients Per Capita

West North Central

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIP@WNC

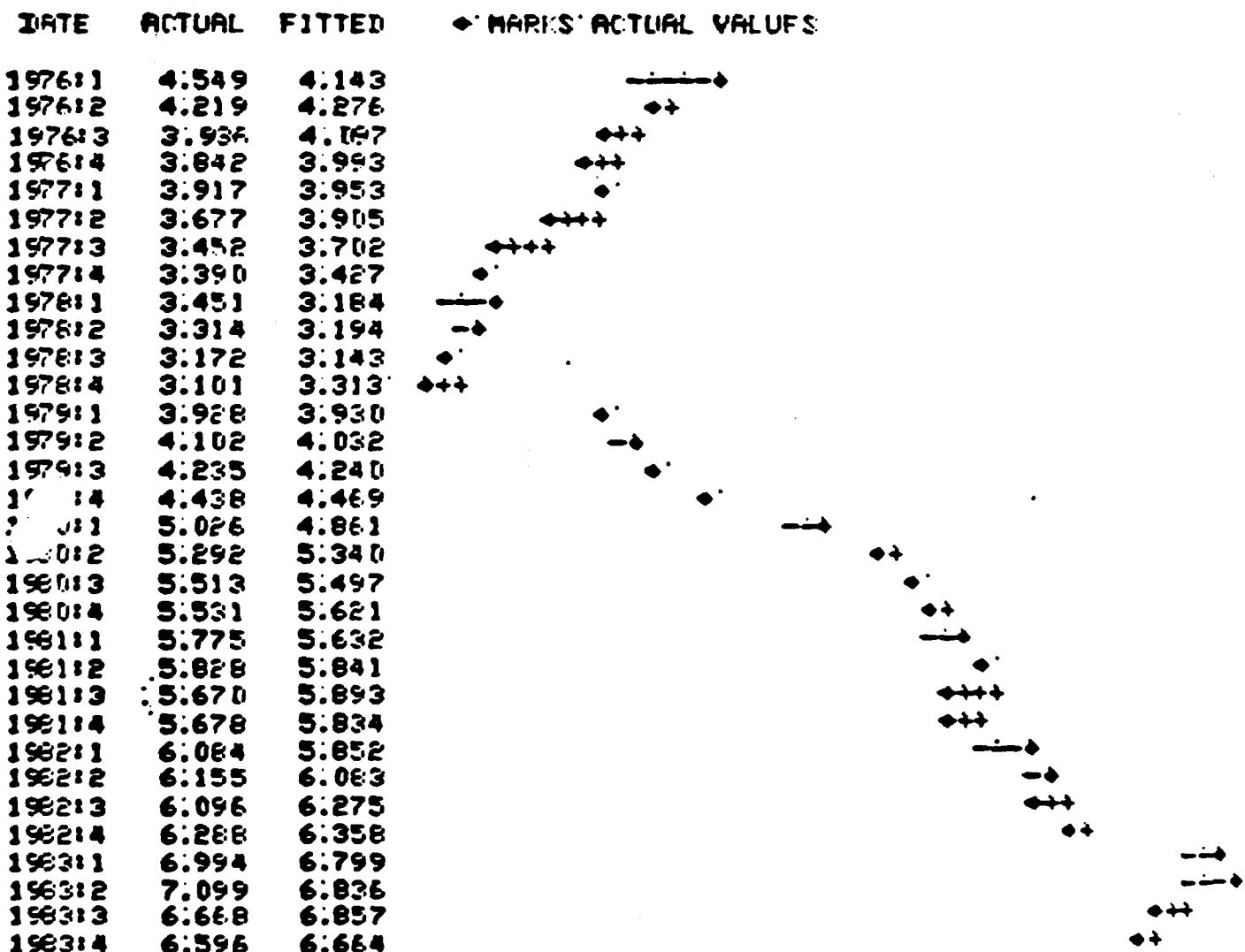
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-4.50108	1.151	-3.911	CONSTANT
1)	0.082312	0.3470	2.343	RAFDGBROWNC
2)	-0.0956753	0.08591	1.114	RHQ2@WNC
3)	0.485936	0.08740	5.560	RPOVERTY@WNC
4)	0.075577	0.2071	4.229	ELIMPRO@WNC
	0.0580593	0.2565	0.2264	DBRAB1@WNC
	0.415560	0.1910	2.176	RHD

R-SQUARED: 0.9780

DURBIN-WATSON STATISTIC: 1.5682

STANDARD ERROR OF THE REGRESSION: 0.1642 NORMALIZED: 0.03753

Recipients Per Capita
West North Central
Actual vs. Fitted



Recipients Per Capita

Pacific North West

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RFSTOTALRECIPPNW

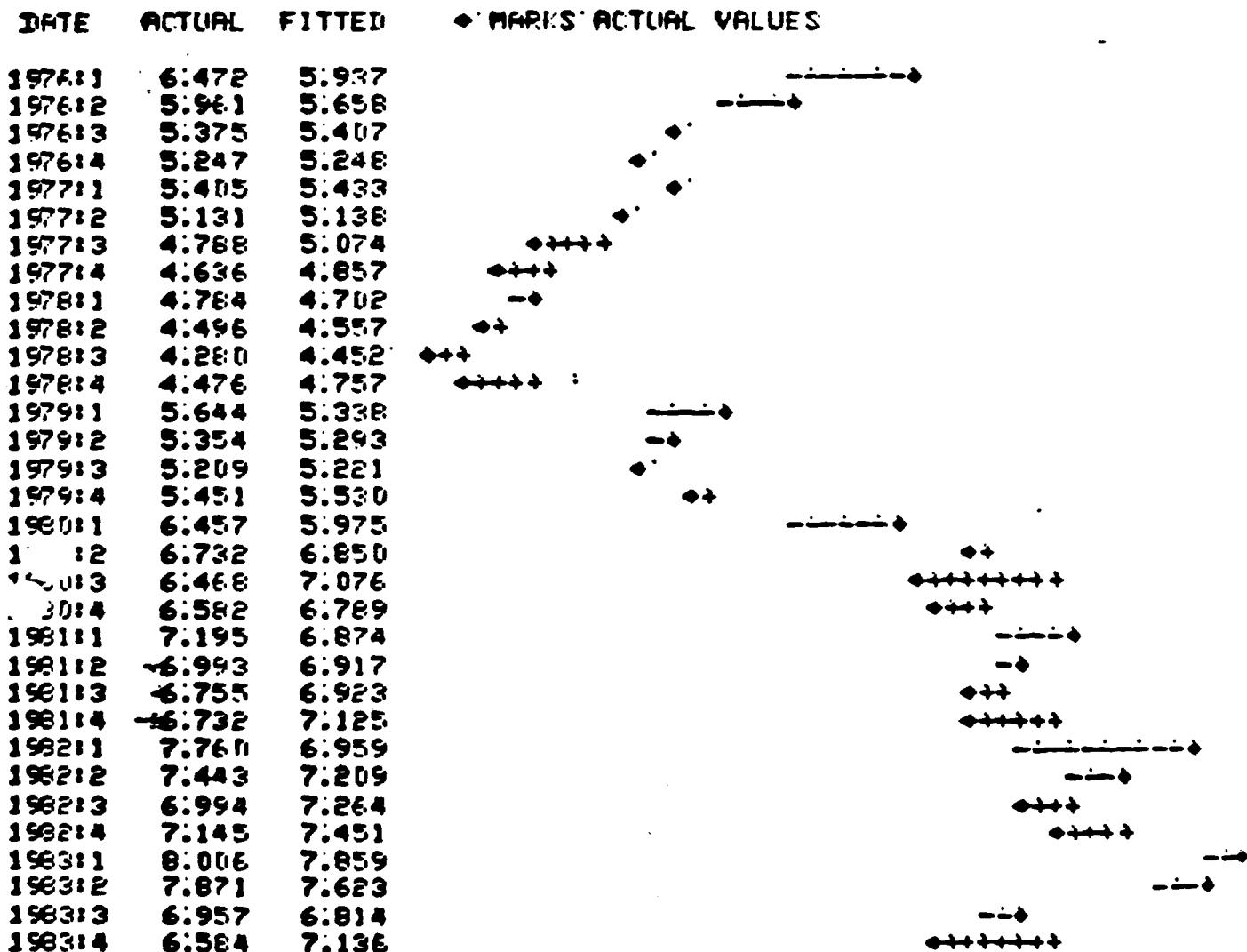
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-12.7105	3.716	-3.420	CONSTANT
1)	3.96818	1.204	3.296	RADICBPPNW
2)	0.276923	0.08926	3.102	RUQZ@PNW
3)	0.305871	0.1246	2.450	RPOVERTY@PNW
4)	1.20434	0.2502	4.813	ELIMPROPNW
	0.511048	0.5455	0.9369	DRRA81@PNW
	0.114580	0.2127	0.5387	RHD

R-SQUARED: 0.9005

DURBIN-WATSON STATISTIC: 1.7050

STANDARD ERROR OF THE REGRESSION: 0.3439 NORMALIZEID: 0.05632

Recipients Per Capita
Pacific North West
Actual vs. Fitted



Recipients Per Capita

Pacific South West

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RFSTOTALRECIPEPSW

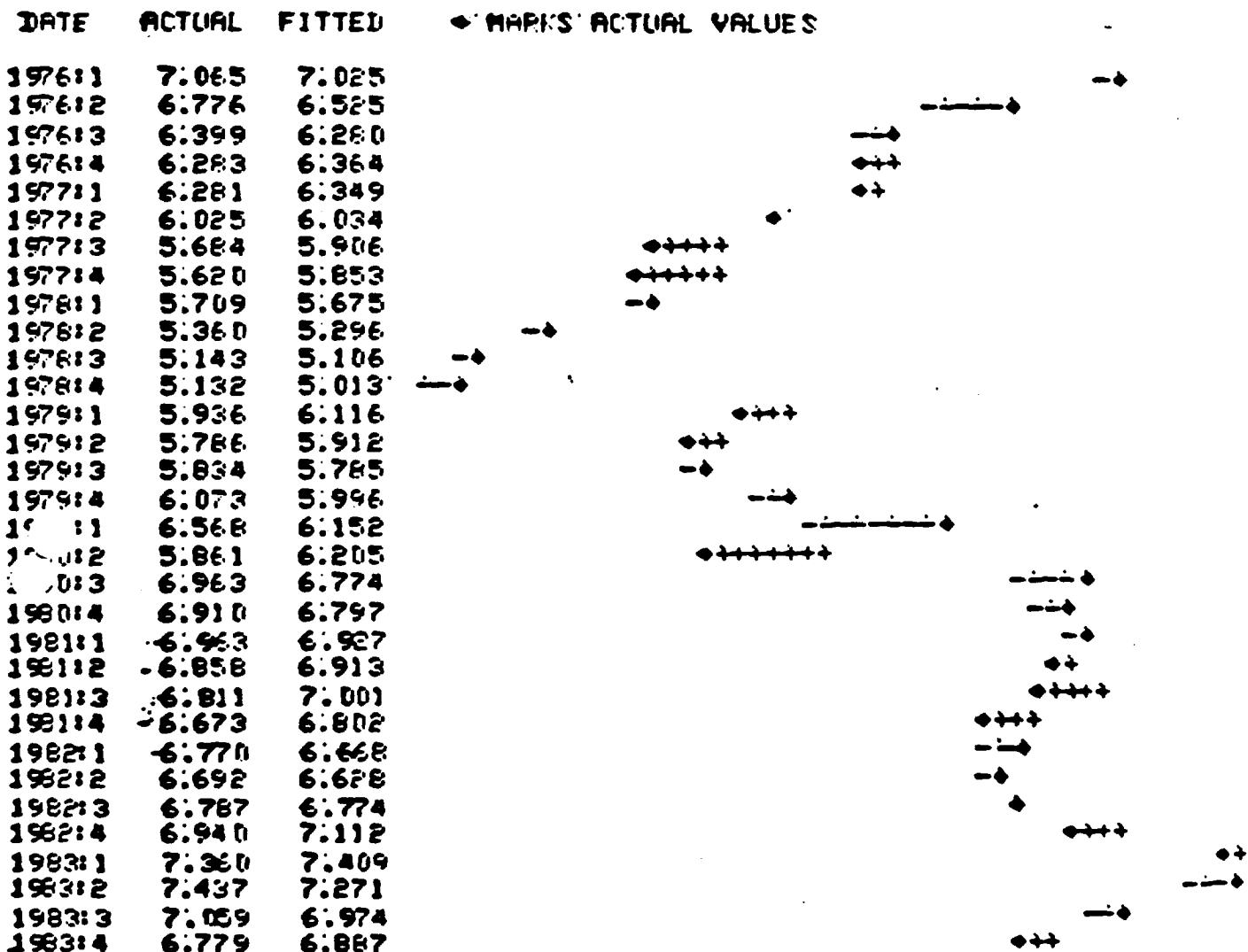
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-9.26711	1.214	-7.636	CONSTANT
1)	2.19748	0.2648	8.300	RAFDCLBOPSW
2)	0.196740	0.04356	4.517	RUGZEPSW
3)	0.297053	0.04648	6.391	RPOVERTYEPSW
4)	1.30441	0.1493	10.08	ELIMPREFSW
5)	-0.439101	0.1741	-2.522	OBRA81EPSW
	-0.276235	0.1949	-1.427	RHO

R-SQUARED: 0.9248

DURBIN-WATSON STATISTIC: 2.0609

STANDARD ERROR OF THE REGRESSION: 0.1745 NORMALIZED: 0.02731

Recipients Per Capita
Pacific South West
Actual vs. Fitted



The regional model for the Foodstamp benefit model was estimated in percent change. The functional form specification is of the following:

**PREALAUGFSCOST@REG = f(PREALMAXALLOT4@REG,
PREALAVGAEOTP@REG, PREALMNDEF@REG, ELIMPR@REG,
OBRA81@REG, OBRA82@REG)**

where:

1. PREALAVGFSCOST@REG is the percent change in the real average Food Stamp benefit per recipient in a particular region,
2. PREALAVGAFDCTP@REG is the percent change in the real average AFDC benefit per recipient for a particular region,
3. PREALMNDEF@REG is the percent change in the real mean income deficit for a particular region,
4. ELIMPR@REG is a modified dummy variable representing the implementation of the elimination of the purchase requirement for a particular region, and
5. OBRA81@REG and OBRA82@REG are modified dummy variables representing the implementation of the OBRA legislative changes on the Food Stamp program for a particular region.

Following each regression display is a plot of the actual versus the fitted values for the percent change in the real average Food Stamp cost per recipient for a particular region.

Real Average Benefit - Percent Change

New England

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFSDCST@NENG

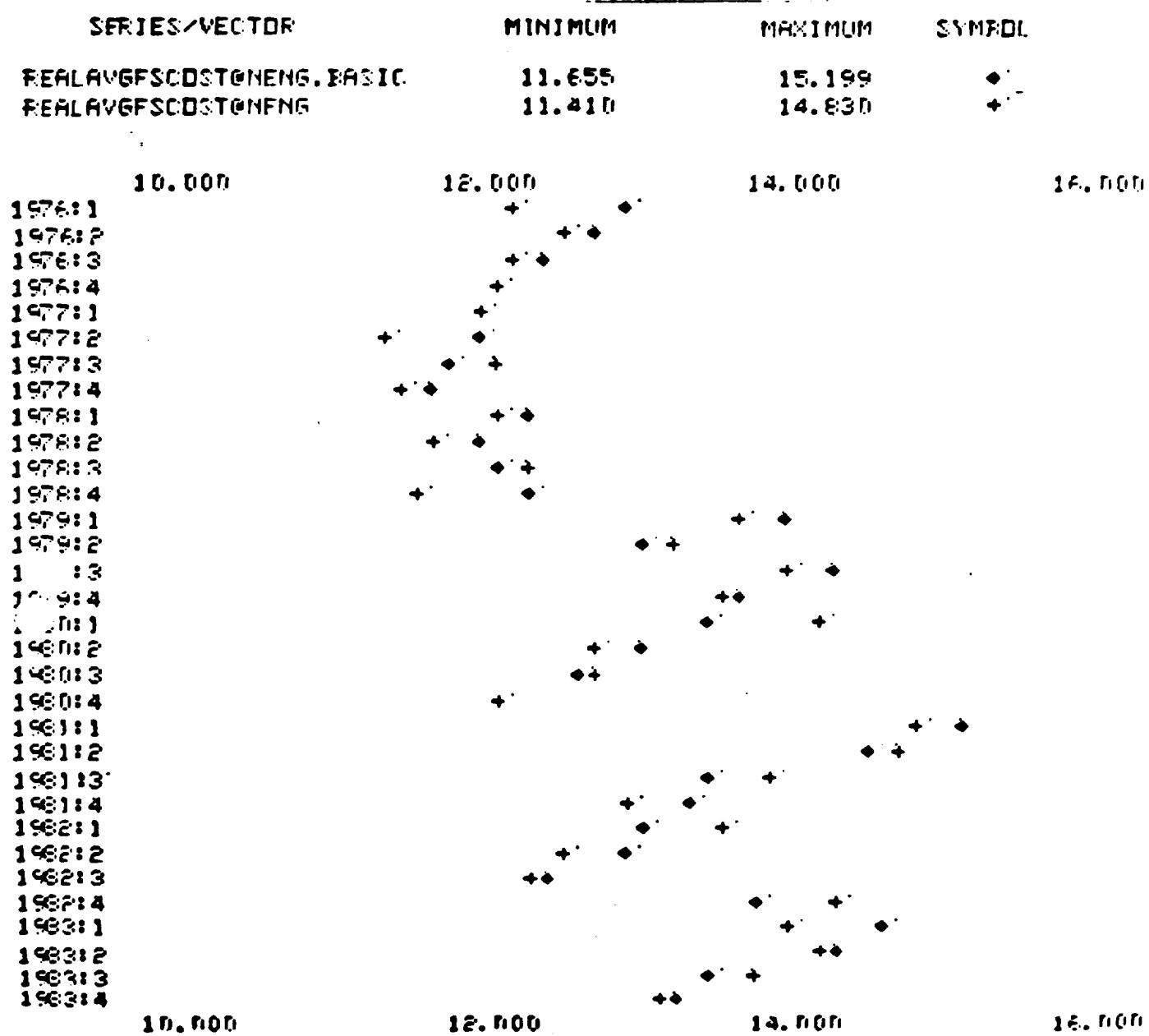
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.69381	0.2132	8.063	PREALMAXALLDT@NENG
2)	-0.0411743	0.1451	-0.2837	PREALAVGAFDCTP@NENG
3)	0.404594	0.1426	2.837	PREALMINDEF@NENG
4)	2.07983	0.7696	2.703	ELIMPR@NENG
5)	-2.48996	1.364	-1.826	DEPA81@NENG
6)	0.474709	1.879	0.2526	DEPA82@NENG
	-0.328949	0.1968	-1.671	RHD

R-SQUARED: 0.7918 (RELATIVE TO Y=0, RBSQ: 0.7933)

DURBIN-WATSON STATISTIC: 1.9473

STANDARD ERROR OF THE REGRESSIONS: 3.124 NORMALIZED: 5.521

Real Average Benefits - Levels
New England
Actual (Basic) vs. Fitted



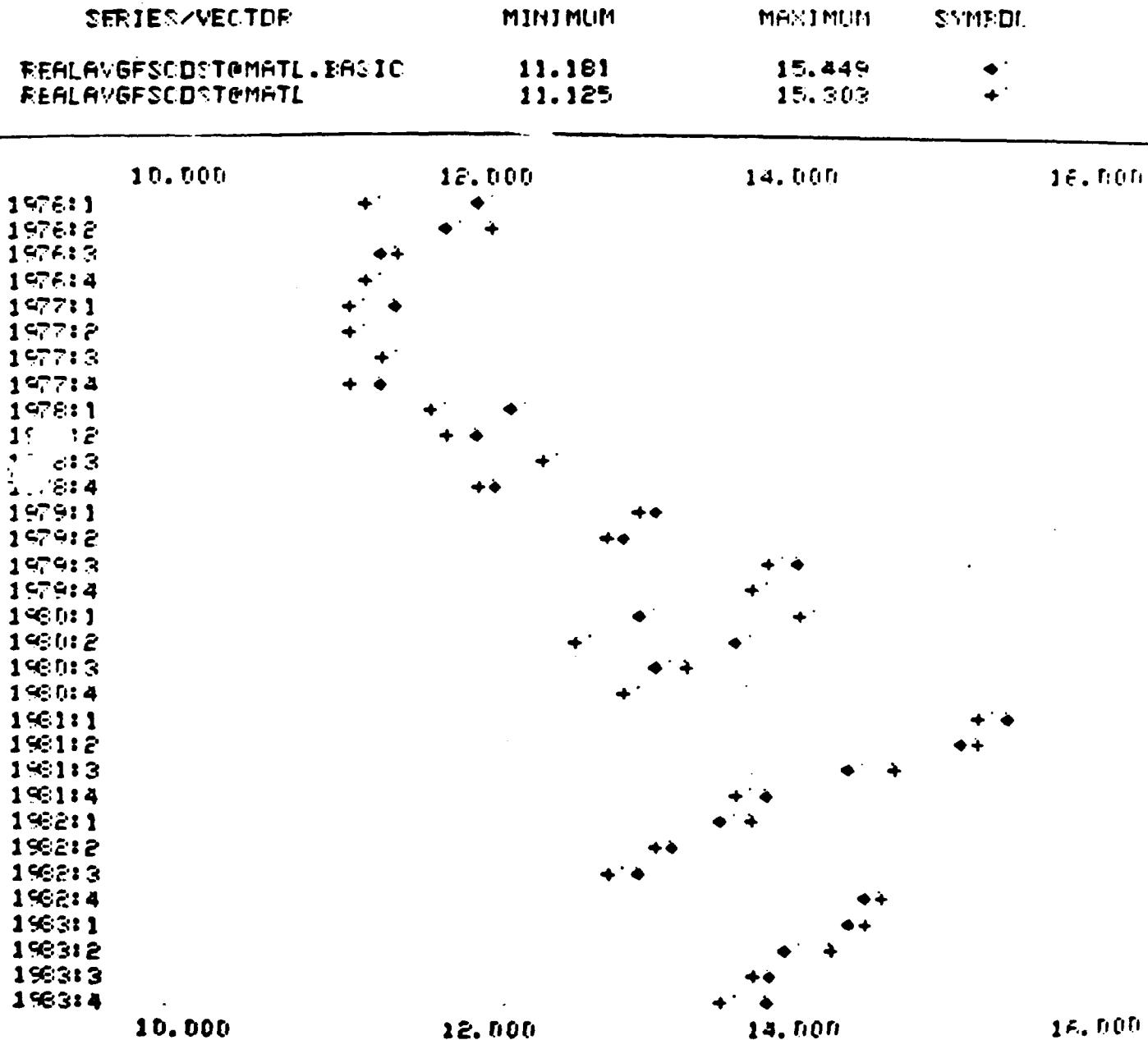
Real Average Benefits - Percent Change
Middle Atlantic

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFCOST@MATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.61435	0.1900	8.499	PREALMAXALLDT4@MATL
2)	-0.477166	0.2644	-1.878	PREALAVGAFIDCTP@MATL
3)	0.142893	0.1198	1.193	PREALMNDEF@MATL
4)	1.67307	0.8618	1.941	ELIMPRO@MATL
5)	-2.41205	1.329	-1.815	DPFAB1@MATL
6)	0.867582	1.594	0.5443	DERAB2@MATL
	-0.394641	0.1915	-2.061	RHD

R-SQUARED: 0.7292 (RELATIVE TO Y=0, RHO: 0.7350)
DIFFIN-WATSON STATISTIC: 1.7196
STANDARD ERROR OF THE REGRESSION: 2.823 NORMALIZED: 3.592

Real Average Benefit - Levels
 Middle Atlantic
 Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

South Atlantic

ANNUALLY (1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFCOST@SATL

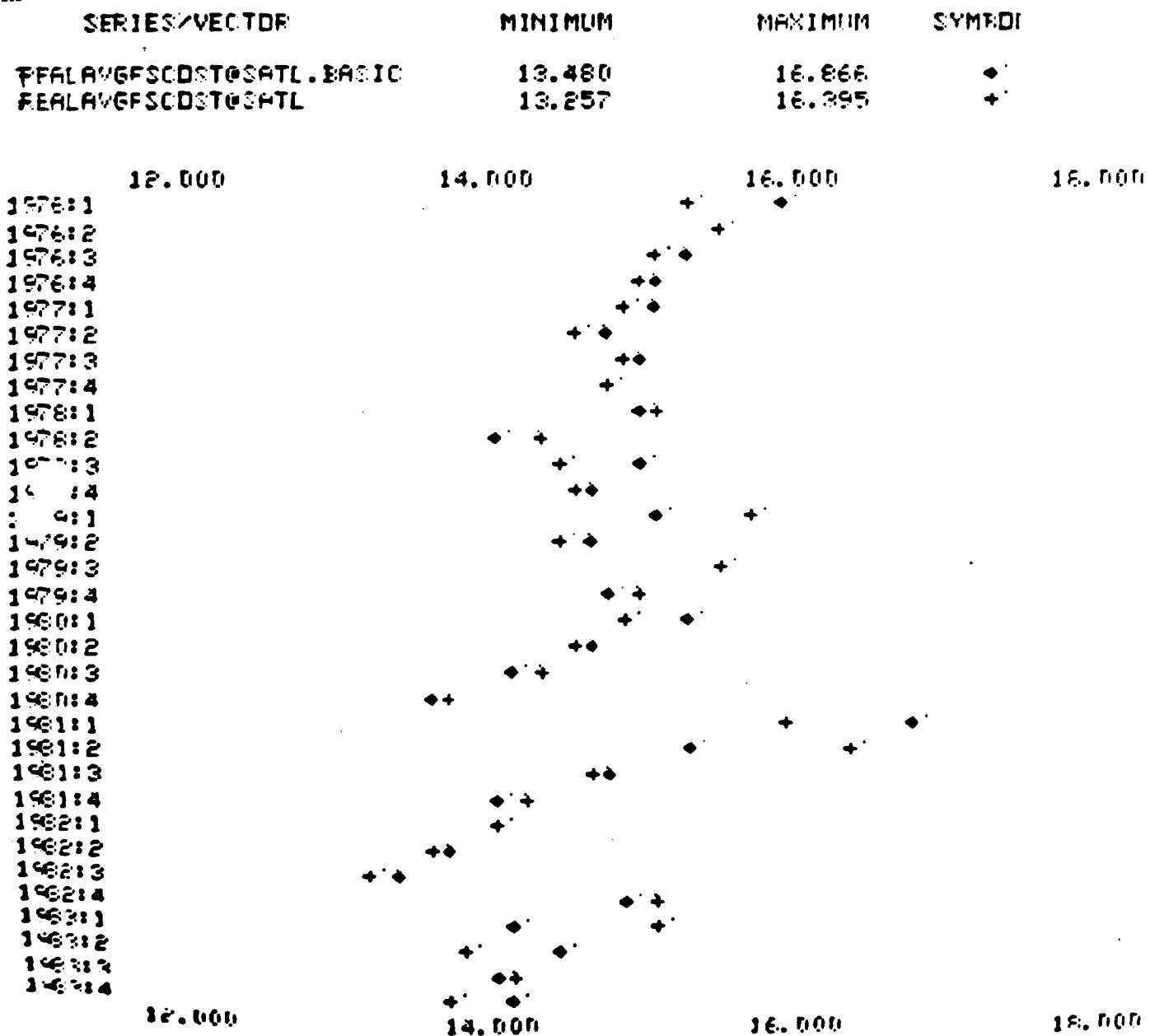
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.56303	0.1869	8.364	PREALMAXALLOT40@SATL
2)	-0.0299395	0.2630	-0.1058	PREALAVGAFIDCT@SATL
3)	0.186001	0.1413	1.316	PREALMNTIEF@SATL
4)	1.04986	0.6831	1.610	ELIMPP@SATL
5)	-1.95721	1.265	-1.548	DEPAB1@SATL
6)	1.01646	1.517	0.6700	DEPAB2@SATL
	-0.385671	0.1911	-2.019	RHO

R-SQUARED: 0.7840 (RELATIVE TO Y=0, RBSQ: 0.7840)

DURBIN-WATSON STATISTIC: 2.0839

STANDARD ERROR OF THE REGRESSION: 2.762 NORMALIZED: 116.9

Real Average Benefit - Levels
South Atlantic
Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

East North Central

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEFENDENT VARIABLE: PREALAVGFS COST@ENC

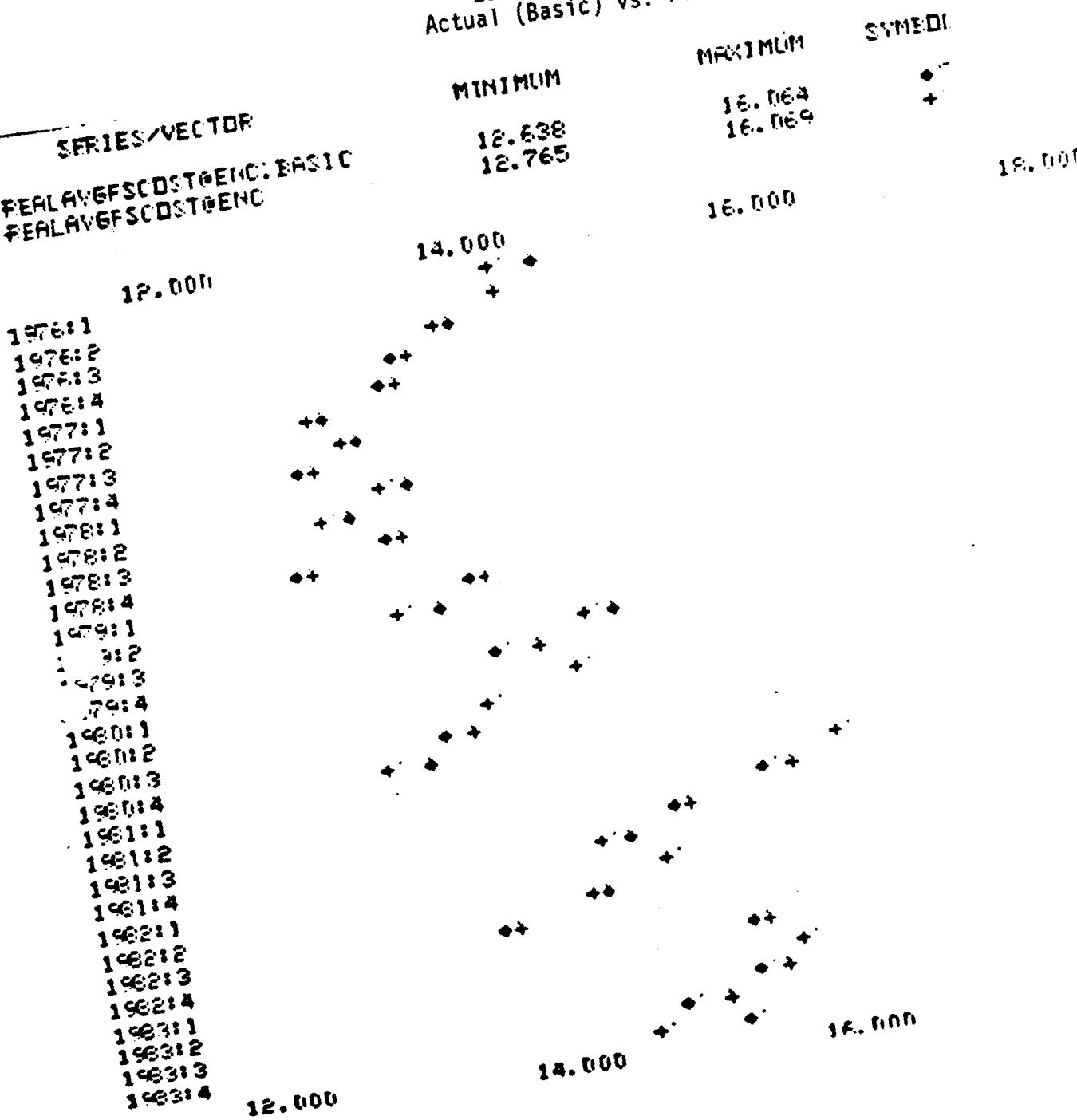
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.65593	0.1292	12.61	PREALMAXALLDT4@ENC
2)	-0.0900144	0.1692	-0.5321	PREALAVGAFI@CTP@ENC
3)	0.333621	0.07487	4.456	PREALMNTDEF@ENC
4)	2.28480	0.4759	4.601	ELIM@ENC
5)	-2.83114	0.7427	-3.812	DRRA81@ENC
6.	1.66426	1.016	1.637	DRRA82@ENC
	-0.235073	0.2529	-0.9296	RHD

- R-SQUARE: 0.9706 (RELATIVE TO Y=0, RESQ: 0.9211)

DURBIN-WATSON STATISTIC: 1.8006

STANDARD ERROR OF THE REGRESSIONS: 1.611 NORMALIZED: 3.411

Real Average Benefit - Levels
 East North Central
 Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

East South Central

QUARTERLY (1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFSDCST@ESC

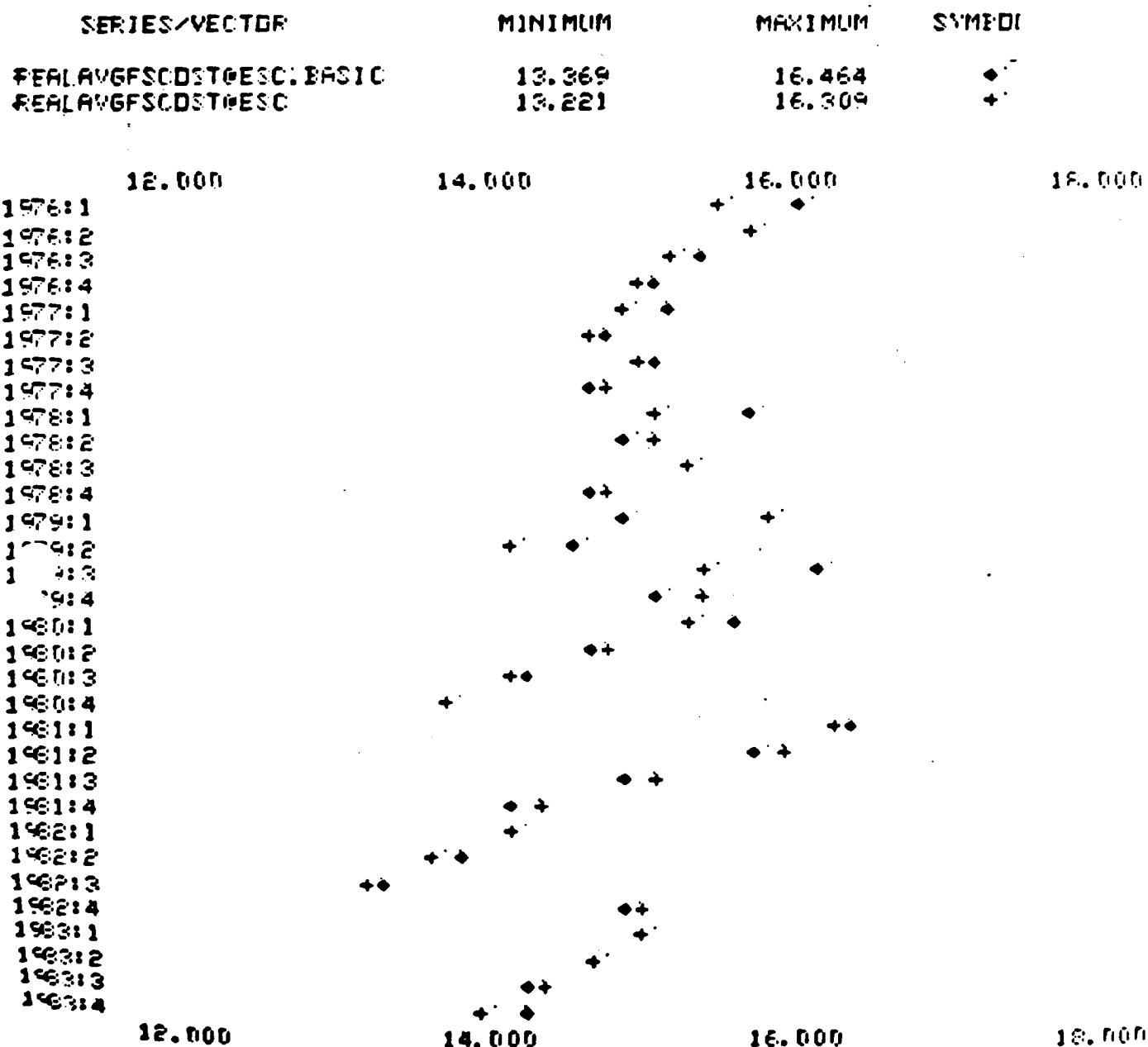
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.69044	0.1585	10.66	PREALMAXALLDT4@ESC
2)	-0.192989	0.2704	-0.7137	PREALAVGAFIDTPOESC
3)	0.197227	0.1035	1.905	PREALMNIEF@ESC
4)	0.815675	0.7550	1.080	ELIMPF@ESC
5)	-1.85165	1.126	-1.645	DIRA81@ESC
6)	1.11933	1.362	0.8217	DIRA82@ESC
	-0.194277	0.2092	-0.9286	RHO

R-SQUARE: 0.8424 (RELATIVE TO Y=0, RISO: 0.8424)

WILKINSON-MATSON STATISTIC: 1.8712

STANDARD ERROR OF THE REGRESSION: 2.271 NORMALIZED: 61.86

Real Average Benefit - Levels
 East South Central
 Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

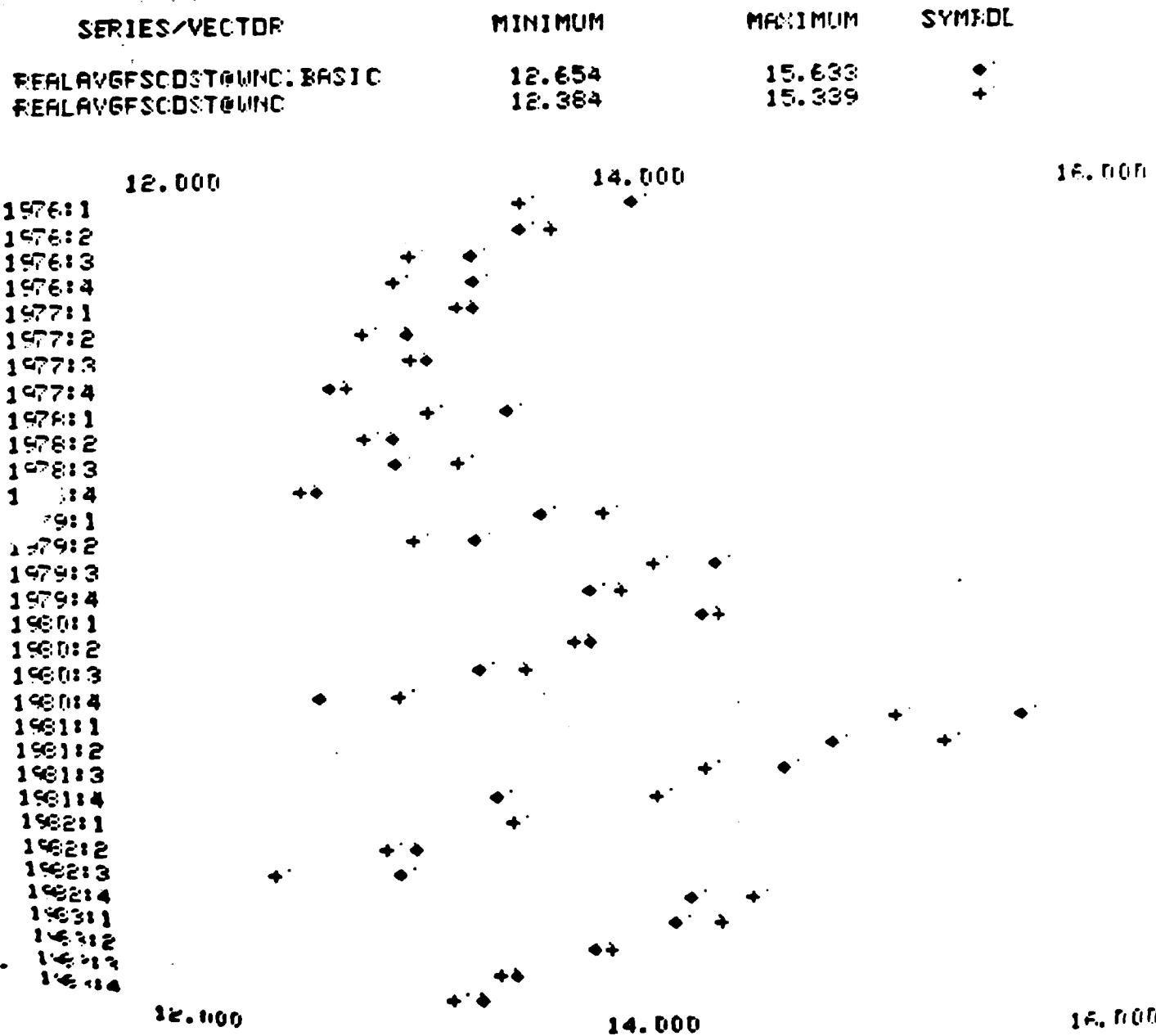
West North Central

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFSCDST@WNC

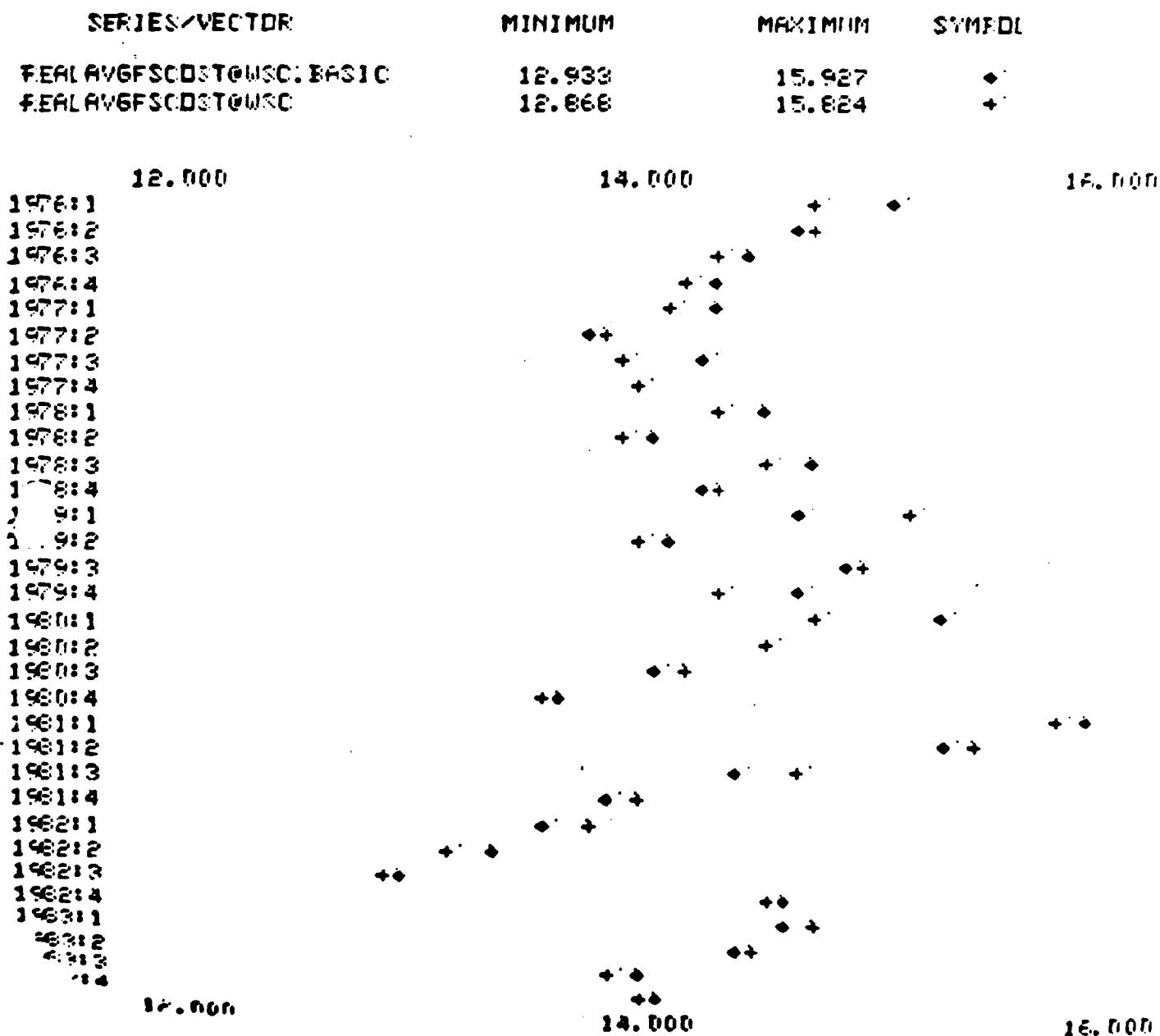
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.59382	0.1585	10.06	PREALMAXALLDT4@WNC
2)	-0.132710	0.1598	-0.8302	PREALAVGAFIDCTP@WNC
3)	0.317675	0.1184	2.684	PREALMNIDEF@WNC
4)	2.02788	0.5560	3.647	ELIMPRO@WNC
5)	-3.36592	1.011	-3.328	DBRA81@WNC
6)	1.04827	1.313	0.8135	DBRA82@WNC
	-0.325640	0.2073	-1.571	RHD

R-SQUARED: 0.8504 (RELATIVE TO Y=0, RESID: 0.8506)
INCERIM-WATSON STATISTIC: 1.9065
STANDARD ERROR OF THE REGRESSION: 2.264 NORMALIZED: 11.45

Real Average Benefit - Levels
 West North Central
 Actual (Basic) vs. Fitted



Real Average Benefit - Level
 West South Central
 Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

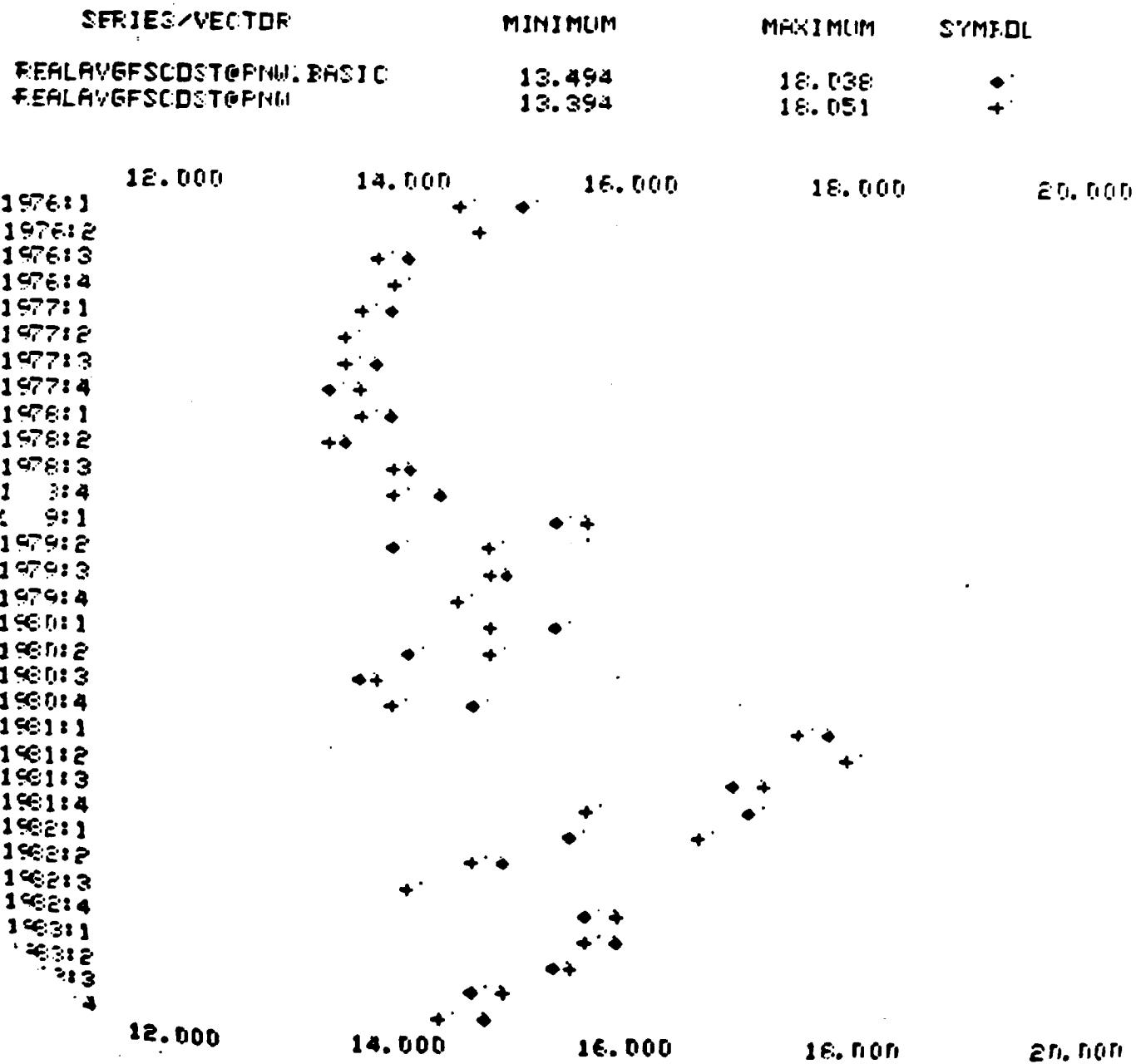
Pacific North West

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFCOST@PNW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.86081	0.2136	8.710	PREALMAXALLDT4@PNW
2)	-0.365675	0.1857	-1.969	PREALAVEAFDCTP@PNW
3)	0.0777143	0.1547	0.5023	PREALMNIDEF@PNW
4)	2.61603	0.7872	3.323	ELIMPRO@PNW
	-4.71133	1.471	-3.202	DERAB1@PNW
5)	1.83272	1.644	0.9937	DERAB2@PNW
	-0.326648	0.2196	-1.488	RHD

R-SQUARED: 0.7475 (RELATIVE TO Y=0, RESID: 0.7483)
DURBIN-WATSON STATISTIC: 1.9903
STANDARD ERROR OF THE REGRESSION: 3.204 NORMALIZED: 9.494

Real Average Benefit - Level
Pacific North West
Actual (Basic) vs. Fitted



Real Average Benefit - Percent Change

Pacific South West

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: PREALAVGFCNST@PSW

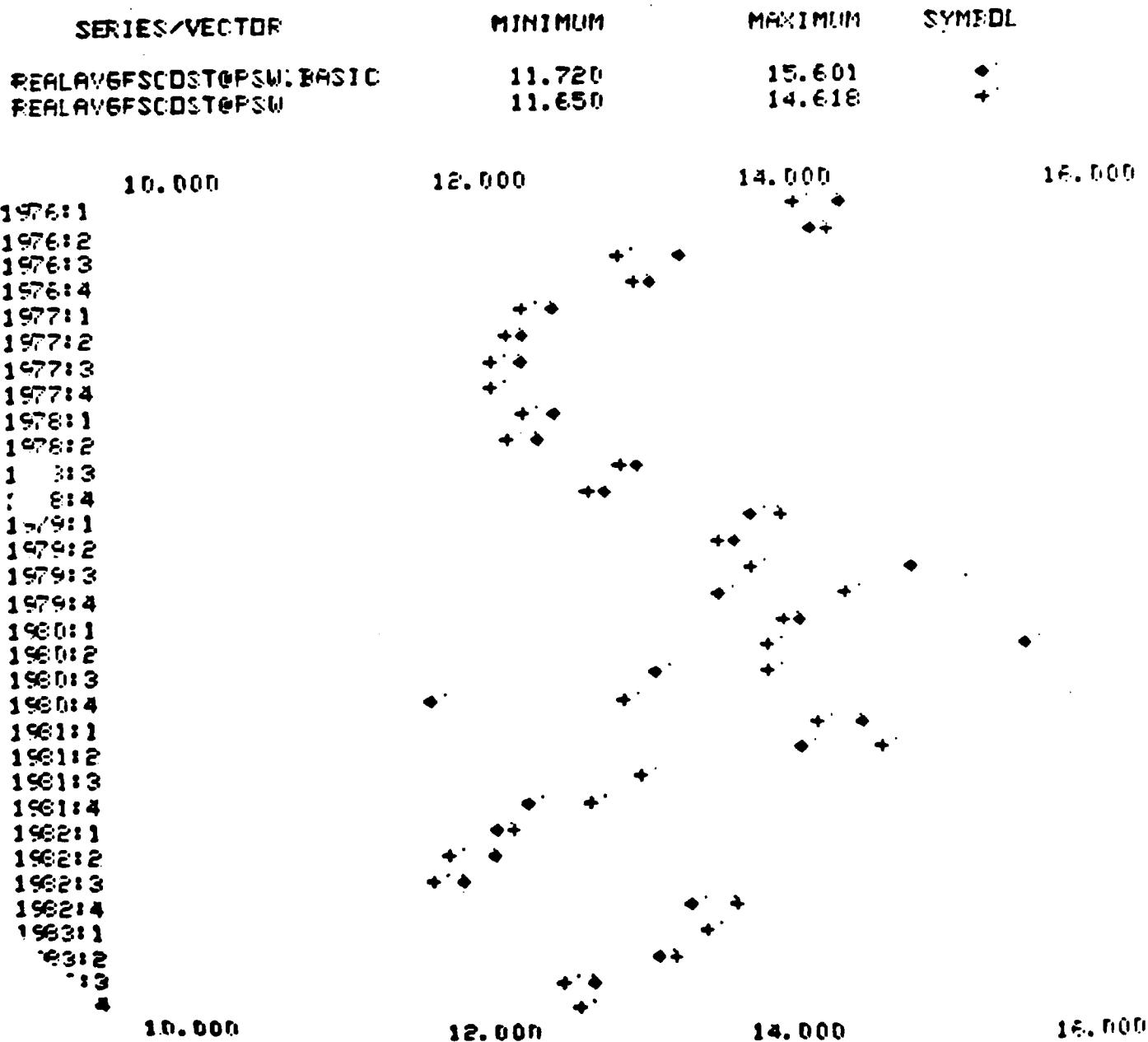
	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
1)	1.67234	0.2613	6.656	PREALMAXALLDT4@PSW
2)	-0.711736	0.1991	-3.574	PREALAVGAFDCTP@PSW
3)	0.00540598	0.1999	0.02705	PREALMNIEF@PSW
4)	2.03547	1.070	1.903	ELIMPROPSW
5)	-2.51380	1.780	-1.412	DEPAB1@PSW
6)	1.41271	4.172	0.3386	DEPAB2@PSW
	-0.207103	0.2312	-0.8958	RHO

R-SQUARED: 0.7006 (RELATIVE TO Y=0, RESID: 0.7006)

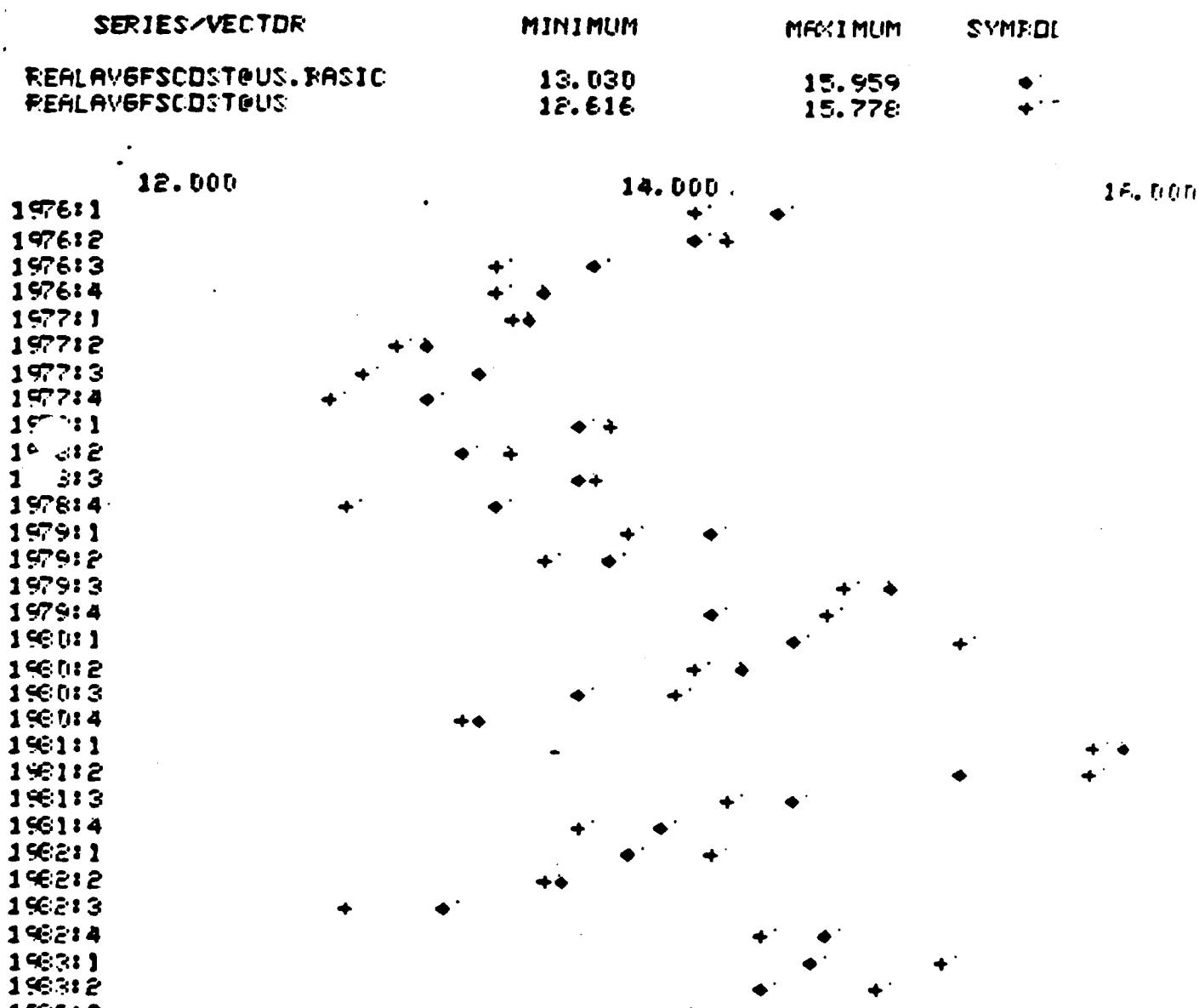
DURBIN-WATSON STATISTIC: 2.1756

STANDARD ERROR OF THE REGRESSION: 4.095 NORMALIZED: 251.5

Real Average Benefit - Level
Pacific South West
Actual (Basic) vs. Fitted



Real Average Benefit - Level
 Weighted Average of Regions
 Actual (Basic) vs. Fitted



12.000 14.000 Avg. Benefit % Change 16.000
 Regional Time Series
 Model Performance
 1976-83

APPENDIX C: VARIABLE DESCRIPTION

Appendix C is a glossary describing all the variables in both the national and regional models. This listing includes the variables from the DECO (D) and RIS (R) models, the variables for which linking equations (L) were built, the exogenous (E) variables, and the behavior variables (B) in the final models.

Variable Description List

<u>Variable Name</u>	<u>Description</u>
AFDCBR@US (L)	- Total recipients in AFDC Basic program
AFDCTP@US (L)	- Total cost of AFDC Program
AUGAFDCTP@US (L)	- Average benefit for AFDC recipient
BENBP (L)	- Average AFDC benefit per case in Basic program
BENUP (L)	- Average AFDC benefit per case in unemployed Parent/program
CASEBP (L)	- Number of AFDC cases in Basic program (families)
CASEUP (L)	- Number of AFDC cases in unemployed parent program (families)
CPIFOODATHOME (L)	- CPI, food at home
CPIHOMETOLESS-FOOD@US (L)	- Ratio of CPI of food at home to CPI less food
CPILESSFOOD (L)	- CPI, less food
CPIU (M)	- CPI, urban workers, seasonally adj.
CPIU81000 (M)	- CPI, food
DMY1 (E)	- Dummy variable for the temporary effect of OBRA in 1981 IV
DMY2 (E)	- Dummy variable for the temporary effect of OBRA in 1982, 1st quarter
DMY3 (E)	- Dummy variable for the permanent effect of OBRA

<u>Variable Name</u>	<u>Description</u>
FHFF (L)	- Female heads of household (000)
JAHEADJEA (M)	- Index of hourly earnings of production workers
MAXALLOT4@US (E)	- Maximum food stamp allotment for a family of 4
MNDEF@US (D)	- Mean Income Deficit
RAFDICBR@I ¹ (L)	- The ratio of AFDC basic program recipients to the total population of region I where I is one of 9 regions
RAFDICBR@US (L)	- Number of AFDC Basic program recipients per capita
RBENBP (L)	- Real average benefit per caseload of AFDC unemployed parent program
RD52&@I (L)	- The percentage of the unemployed in region I who have been unemployed for more than 52 weeks where I represents any of nine regions
REALAVGAFDCTP@I (L)	- Real average benefit per AFDC recipient in region I, where I represents any of nine regions
REALAVGAFDCTP@US (L)	- Real average benefit per AFDC recipient
REALAVGFSCOST@US (B)	- Real average food stamp cost per recipient
REALAVGFSCOST@I (B)	- Real average food stamp cost per recipient in region I, where I is one of nine regions

<u>Variable Name</u>	<u>Description</u>
REALWAGE (L)	- Real wage of hourly earnings in retail trade and service sectors
REALMAXALLOT4@US (L)	- Maximum food stamp allotment for a family of 4 in real dollars
REALMNDEF@I (L)	- Real mean income deficit within region I, where I is one of nine regions
RFSTOTALRECIP@US (B)	- Food stamp recipients per capita
RFSTOTALRECIP@I (B)	- Food stamp recipients per capita for region I, where I is one of nine regions
RPOVERTY@NOC (L)	- Poverty rate for the north central
RPOVERTY@NOE (L)	- Poverty rate for northeast
RPOVERTY@SO (L)	- Poverty rate for the south
RPOVERTY@US (D)	- National poverty rate
RPOVERTY@WT (L)	- Poverty rate, west
RUC (M)	- Civilian unemployment rate, national
RUQ2@I (R)	- The unemployment rate for region I, where I is one of nine regions
SEASON1 (E)	- Seasonal dummy variable. 1st quarter of every year has a 1. 0 elsewhere
STANDARD (L)	- Weighted average of state standard level of AFDC program, Jan/July data, weighted by 1981 caseload
TIME (M)	- Time trend

¹The nine regions are:

NENG	-	New England
MATL	-	Middle Atlantic
SATL	-	South Atlantic
ESC	-	East South Central
WSC	-	West South Central
ENC	-	East North Central
WNC	-	West North Central
PNW	-	Pacific North West
PSW	-	Pacific South West

APPENDIX D: DESCRIPTION OF EQUATIONS NOT USED IN THE FOODSTAMP MODEL

This section of APPENDIX D describes the procedures used in rejecting variables added to a set of core-specified equations for either the foodstamp recipiency rate or the average foodstamp cost per recipient. Variables were normally rejected for the following reasons:

- The variable added had the wrong sign,
- The variable added had an insignificant T statistic,
- The variable added either changed the sign of a more important variable in the model or made the more important variable less significant, or
- The variable added reduced significantly the explanatory power of the equation.

In an effort to reduce the problem of multicollinearity that resulted when the regression runs included two many explanatory variables, considering the number of data points (time observations) available, the data in each estimation were pooled to increase the degrees of freedom. Variables were first pooled across nine regions forecasted by the RIS model. After adding new variables to a core-specified set of pooled equations, some of the regression results were less than satisfactory; thus, many of these variables had to be excluded, based on the criteria mentioned above.

Due to the importance of these additional variables, we further pooled the data to the four regions listed below in order to further test the significance of the additional variables on the core equations. The second pooling was as follows:

- East = New England + Middle Atlantic
- South = South Atlantic + East South Central + West South Central
- North Central = East North Central + West South Central
- West = Pacific North West + Pacific South West

Even after pooling the data to the four regions listed above, the regression results after adding more variables to the core set of variables remained unacceptable. Samples of those results are shown in the tables which follow. A single asterisk beside the coefficient of a variable indicates the variable that was added to the core equation. Two asterisks beside a coefficient indicate that either the sign of a coefficient of the associated variable had changed to the wrong sign, or the T statistic of the coefficient of the associated variable became insignificant by adding the new variable to the equation.

North Central
Recipiency Rate with...

	Real Per Capita Inc. and Real Per Capita Income Squared	Poverty Rate by Income Class	SSI	Duration of Unemploy. Between 27 & 52 wks. and Greater than 52 wks.
RUQ2	.2 (4.6)	.16 (3.5)	.14 (2.9)	.12 (2.5)
RLFPRF	-.26 (-3.5)	-.18 (-3.2)	-.23 (-4.2)	-.18 (-2.39)
RWEEA	-.07 (-.7)**	-.101 (-.97)**	.07 (.64)**	.09 (-.85)**
MAXALLOT4	.01 (1.8)	.02 (2.3)	.02 (2.5)	.09 (-.85)**
RAFDCCBR	.21 (.98)**	.59 (2.4)	1.6 (4.2)	.34 (1.1)**
ELIMPR	.76 (5.5)	.14 (.71)**	.5 (3.2)	.57 (3.5)
RPOVERTY	.55 (6.1)			
OBRA81	-.25 (-1.4)**	-.22 (-.97)**	.18 (.94)**	
REALYP%N	6.8 (1.3)			
REALYP%NSQ	-.74 (-1.1)*			
RPOPBELOW50POV		.84 (4.4)*	.29 (1.4)**	.8 (4.0)
RPOP50T0100POV		.70 (2.2)*		
RPOP101T0130POV		.67 (-2.5)*		
SSI			-.4.3 (-2.7)*	
RD27&				-.02 (-.5)*
RD52&				.08 (2.2)*
R ²	.97	.96	.97	.97

West
Recipiency Rate with...

	Real Per Capita Inc. and Real Per Capita Income Squared	Poverty Rate by Income Class	SSI	Duration of Unemploy. Between 27 & 52 wks. and Greater than 52 wks.
RUQ2	.17 (28)	.22 (4.2)	(.24) (4.9)	.28 (4.9)
RLFPRF	.06 (.49)**	-.09 (-1.1)**	-.10 (-1.46)	-.13 (-1.7)
RWEEA	-.39 (-2.6)	-.42 (-3.5)	-.16 (-1.2)**	-.29 (-2.6)
MAXALLOT4	.007 (.76)**	.001 (.98)**	.012 (1.69)	.007 (1.01)**
RAFDCCBR	.92 (2.5)	.59 (1.8)	1.36 (3.9)	.98 (2.7)
ELIMPR	1.35 (6.5)	.69 (3.1)	1.06 (6.0)	1.08 (5.8)
RPOVERTY	.63 (5.8)			
OBRA81	-.38 (-1.5)	-.36 (-1.4)**	.88 (.43)**	-.17 (-.73)**
REALYP%N	-2.8 (-.38)*			
REALYP%NSQ	.38 (.43)*			
RPOPBELOW50POV		1.28 (5.5)*	.818 (4.8)	1.07 (5.5)
RPOP50T0100POV		.72 (2.1)*		
RPOP101T0130POV		-.68 (-2.1)*		
SSI			2.06 (2.5)*	
RD27&				-.11 (-1.5)*
RD52&				.2 (1.9)*
R ²	.96	.87		.90

South
Recipiency Rate with...

	Per Capita Income and Per Capita Income Squared	Poverty Rate by Income Class	SSI	Duration of Unemploy. Between 27 & 52 wks. and Greater than 52 wks.	
RDQ2	.73 (11.0)	.75 (11.2)	.79 (10)	.66	(6.1)
RLFPRF	.13 (.70)**	-.08 (-.67)**	.06 (.4)**	.1	(.62)**
RWEEA	-.53 (-2.6)	-.62 (-3.2)	-.48 (-2.4)	.6	(-2.9)
MAXALLOT4	.034 (2.9)	.03 (2.7)	.02 (1.5)**	.019	(1.5)**
RAFDCCBR	1.79 (3.5)	1.02 (3.4)	1.58 (2.8)	1.16	(1.9)
ELIMPR	2.87 (9.5)	2.02 (8.7)	2.9 (9.7)	2.9	(8.9)
RPOVERTY	.11 (.84)**				
OBRA81	-.97 (-2.6)	-.95 (2.4)	-1.3 (-3.5)	-1.4	(-3.8)
REALYP%N	8.2 (1.5)*				
REALYP%NSQ	-1.3 (-1.7)*				
RPOPBELOW50POV		1.29 (3.8)*	.63 (2.0)	.64	(2.1)
RPOP50T0100POV		-.94 (-1.9)*			
RPOP101T0130POV		-.19 (-.4)*			
SSI			.36 (.544)*		
RD27&				.14	(1.6)*
RD52&				.16	(1.2)*
R ²	.88	.89	.90	.90	

**% Change of Average Benefit Pooled
with ...**

	<u>%Change in AVG SSI Benefit</u>	<u>% Change in Real Per Capita Income</u>
PREALMAXALLOT4	1.8 (29.3)	1.7 (26.7)
PREALAVGAFDCTP	-.23 (-4.9)	-.2 (-4.5)
PCPIHOMETOLESSFOOD	-.06 -.49**	-.23 (-2.1)**
PREALAVGSSI	.1 (2.6)*	
ELIMPR	.56 (1.3)**	.77 (2.0)
OBRA81	-2.6 (-5.3)	-2.4 (-5.1)
OBRA82	1.2 (1.8)**	1.04 (1.6)**
PREALYP%N		.28 (5.9)*
R2	.79	.80

APPENDIX E. DETAILS OF THE DECO AND RIS SIMULATIONS AND THE BRIDGE EQUATIONS

As noted in Chapter III, the first step in carrying out the "No Recession" simulation of the food stamp model was to produce a scenario in which the DRI model of the U. S. Economy tracked what actually happened during the 1981-83 period. Similar "tracking" solutions were generated from the DECO and RIS models prior to creating "No Recession" simulations for each.

The tracking scenarios for RIS and DECO were generated by using outputs from the macro model tracking scenario as inputs to the RIS and DECO models. Results from the simulations were then compared with historic data, and the models were adjusted as necessary to reproduce the historic data. The "No Recession" scenarios for the two models were generated by using as inputs the "No Recession" outputs from the macro model while leaving the adjustment factors used in the tracking simulations unchanged. Thus, the only systematic difference between the "No Recession" scenario and the tracking scenario is the difference brought about through the use of the changed input variables carried over from the macro simulation. The key macro inputs to RIS are the income variables, employment, and unemployment. The key inputs to DECO are the income variables, unemployment, and interest rates.

The goal of these simulations was to generate simulated values for the variables used in the food stamp model. Some of the variables used in the model are generated directly by either RIS or DECO. RIS can be used to generate values for the unemployment rate and the real average annual wage rate, while DECO can be used to generate values for the mean poverty deficit.

Other variables are not direct outputs of these models. In these cases, "bridge" equations were estimated to derive values for these variables from predicted values of variables which are produced by these models. A listing of the variables from the RIS and DECO models, along with the variables which required bridge equations is given below. Following this list are :(1) a map which shows how these variables interact with each other, and (2) the equations used to produce simulated values for these variables in the order in which they are solved.

VARIABLES FROM DECO

- MEAN INCOME DEFICIT (MNDEF@US)
- US POVERTY RATE (RPOVERTY@US)

VARIABLES FROM RIS

- UNEMPLOYMENT RATES FOR 9 REGIONS (RUQ2@region)

VARIABLES FROM MACRO

- INDEX OF AVERAGE HOURLY EARNINGS (JAHEADJEA)
- CONSUMER PRICE INDEX (CPIU)
- US UNEMPLOYMENT RATE (RUC)

- US POPULATION (N)
- TIME TREND (TIME)

OTHER EXOGENOUS VARIABLES

- LEGISLATIVE DUMMIES (DMY1, DMY2, DMY3)
- SEASONAL DUMMIES (SEASON1)

VARIABLES FOR WHICH BRIDGE EQUATIONS WERE BUILT

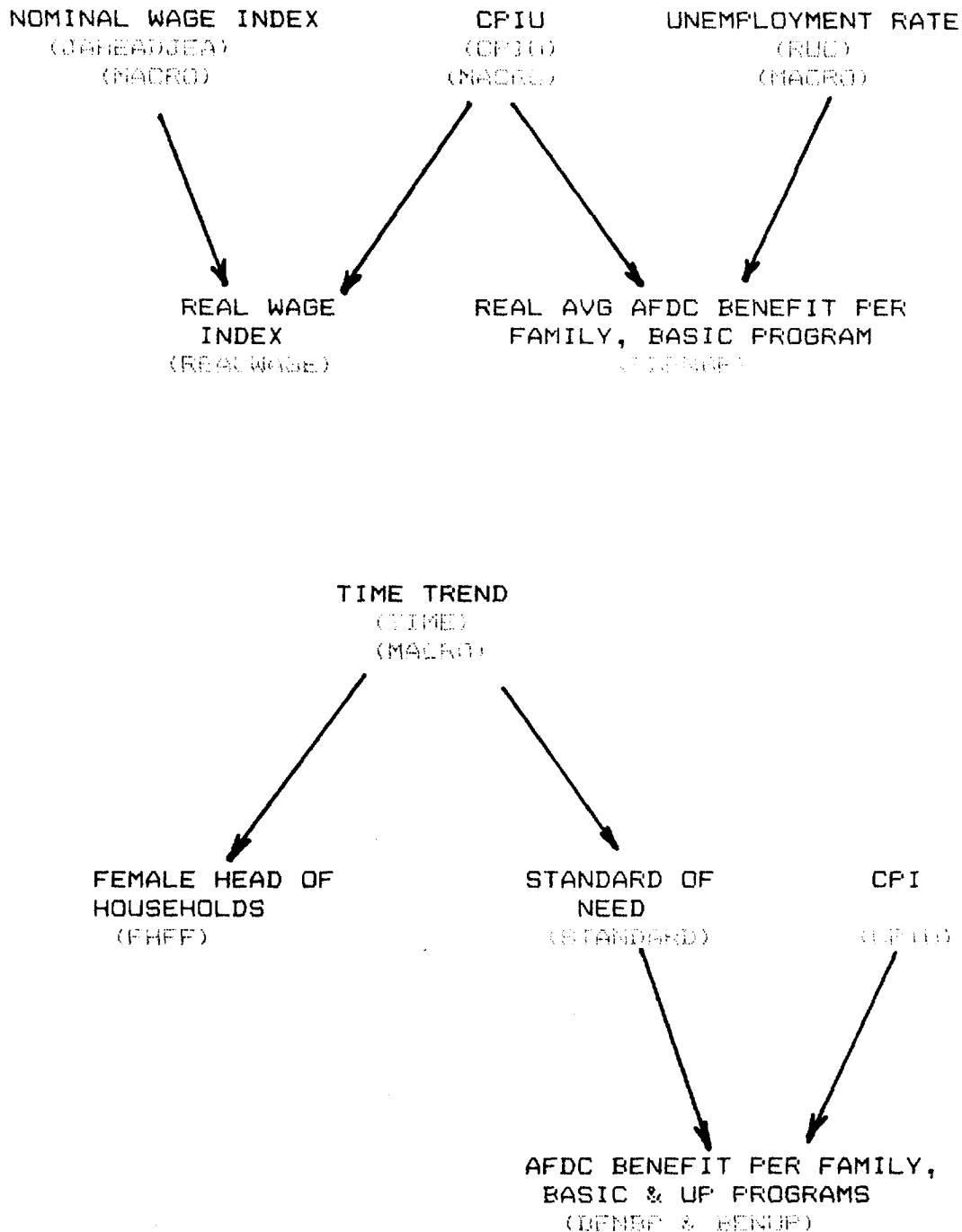
- INDEX OF REAL AVERAGE HOURLY EARNINGS (REALWAGE)
- FEMALE HEAD OF HOUSEHOLD (FHFF)
- STANDARD OF NEED (STANDARD)
- REAL AVERAGE AFDC BENEFIT PER FAMILY, BASIC PROGRAM (RBENBP)
- AVG AFDC BENEFIT PER FAMILY, BASIC (BENBP) AND UP PROGRAMS (CASEUP)
- TOTAL AFDC FAMILIES, BASIC (CASEUP) AND UP PROGRAMS (AFDCTP@US)
- AVERAGE FAMILY SIZE OF AFDC RECIPIENTS (AFDCFAMSIZE)

- AVERAGE AFDC PAYMENT PER RECIPIENT, COMBINED BASIC AND UP PROGRAMS (AVGAFDCTP@US)
- REAL AVERAGE AFDC PAYMENT PER RECIPIENT
(REALAVGAFDCTP@US)

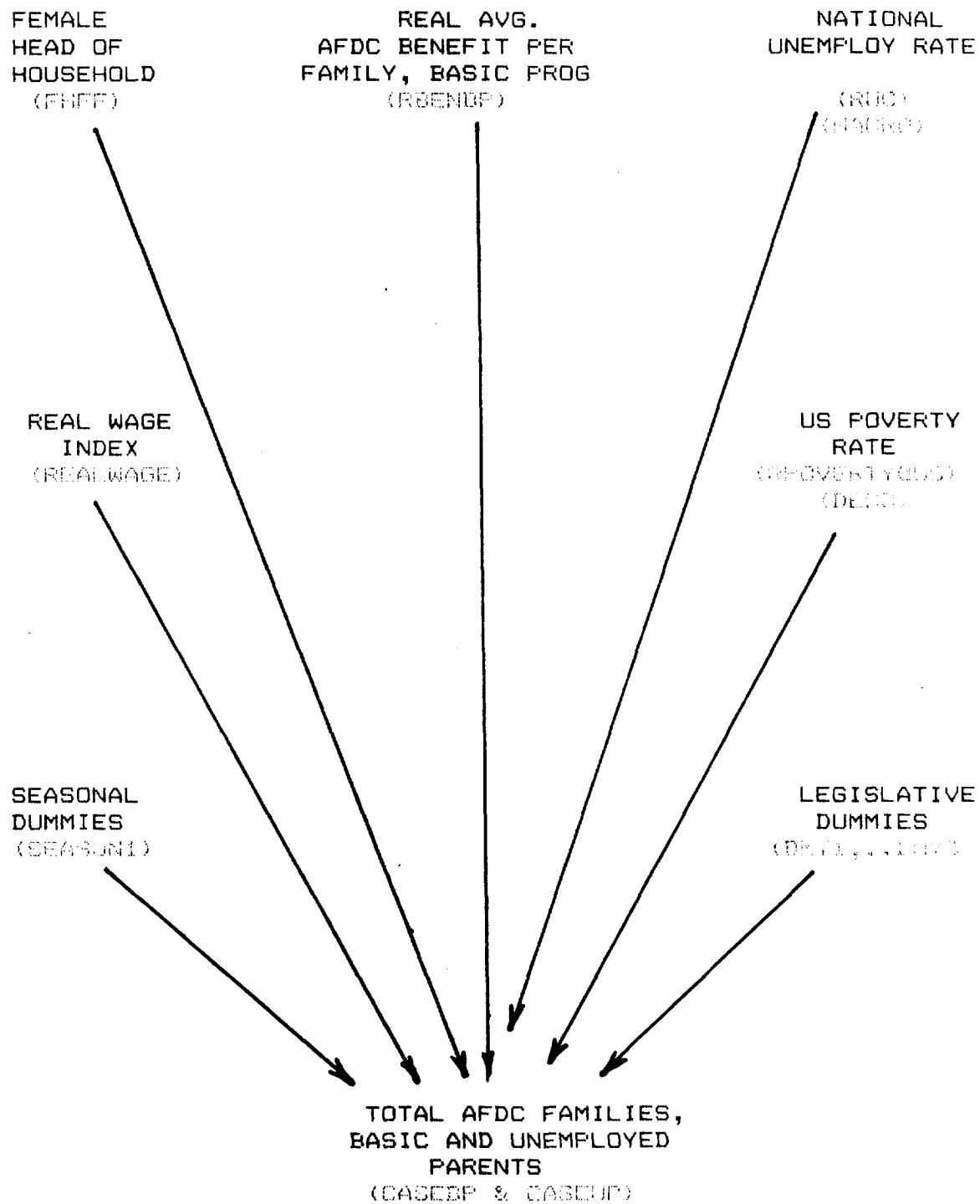
REAL AVERAGE AFDC PAYMENT PER RECIPIENT FOR EACH OF THE 9 REGIONS (REALAVGAFDCTP@region)

- AFDC RECIPIENTS, BASIC PROGRAM (AFDCBR@US)
- AFDC RECIPIENTS PER CAPITA, BASIC PROGRAM (RAFDCBR@US)
- AFDC RECIPIENTS PER CAPITA, BASIC PROGRAM FOR EACH OF THE 9 REGIONS (RAFDCBR@region)
- POVERTY RATE FOR EACH OF THE 9 REGIONS (RPOVERTY@region)
- PERCENT OF UNEMPLOYED WHO ARE UNEMPLOYED FOR MORE THAN 52 WEEKS FOR EACH OF THE 9 REGIONS (RD52&@region)
- REAL MEAN INCOME DEFICIT FOR EACH OF 9 REGIONS
(REALMNDEF@region)

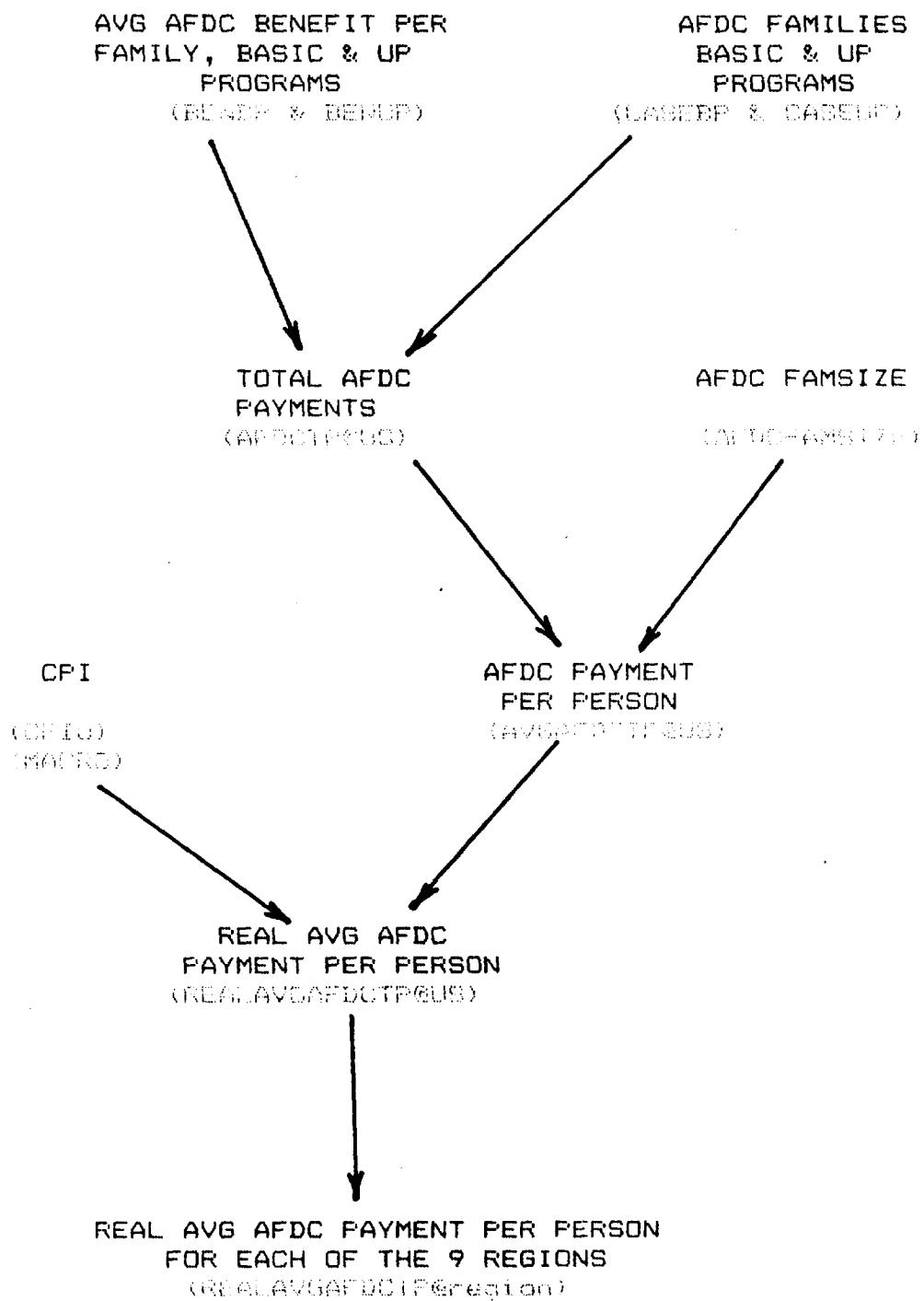
FLOW DIAGRAM OF MODEL STRUCTURE
OF RIS, DECO, MACRO AND BRIDGE
EQUATION VARIABLES



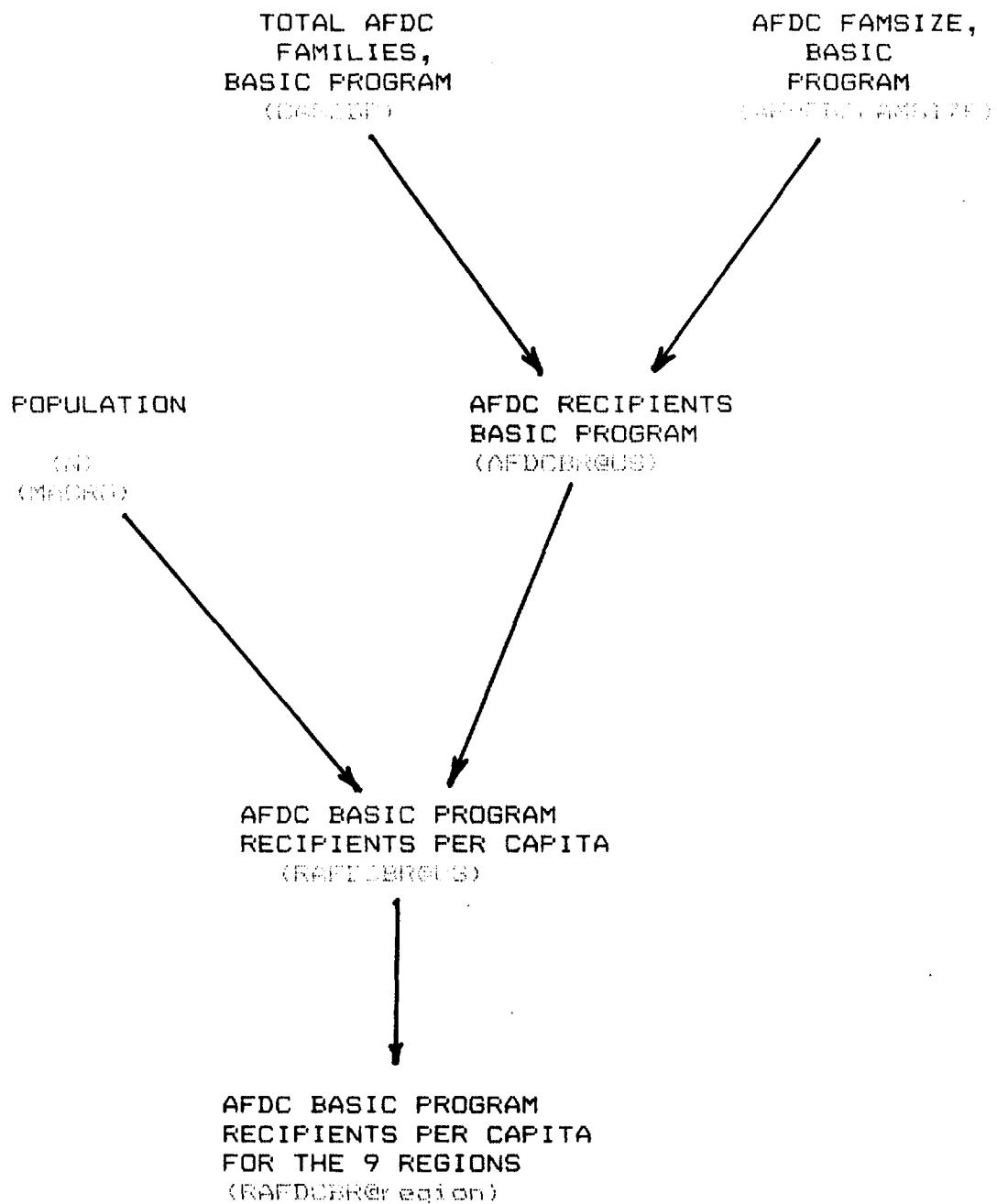
FLOW DIAGRAM CONTINUED



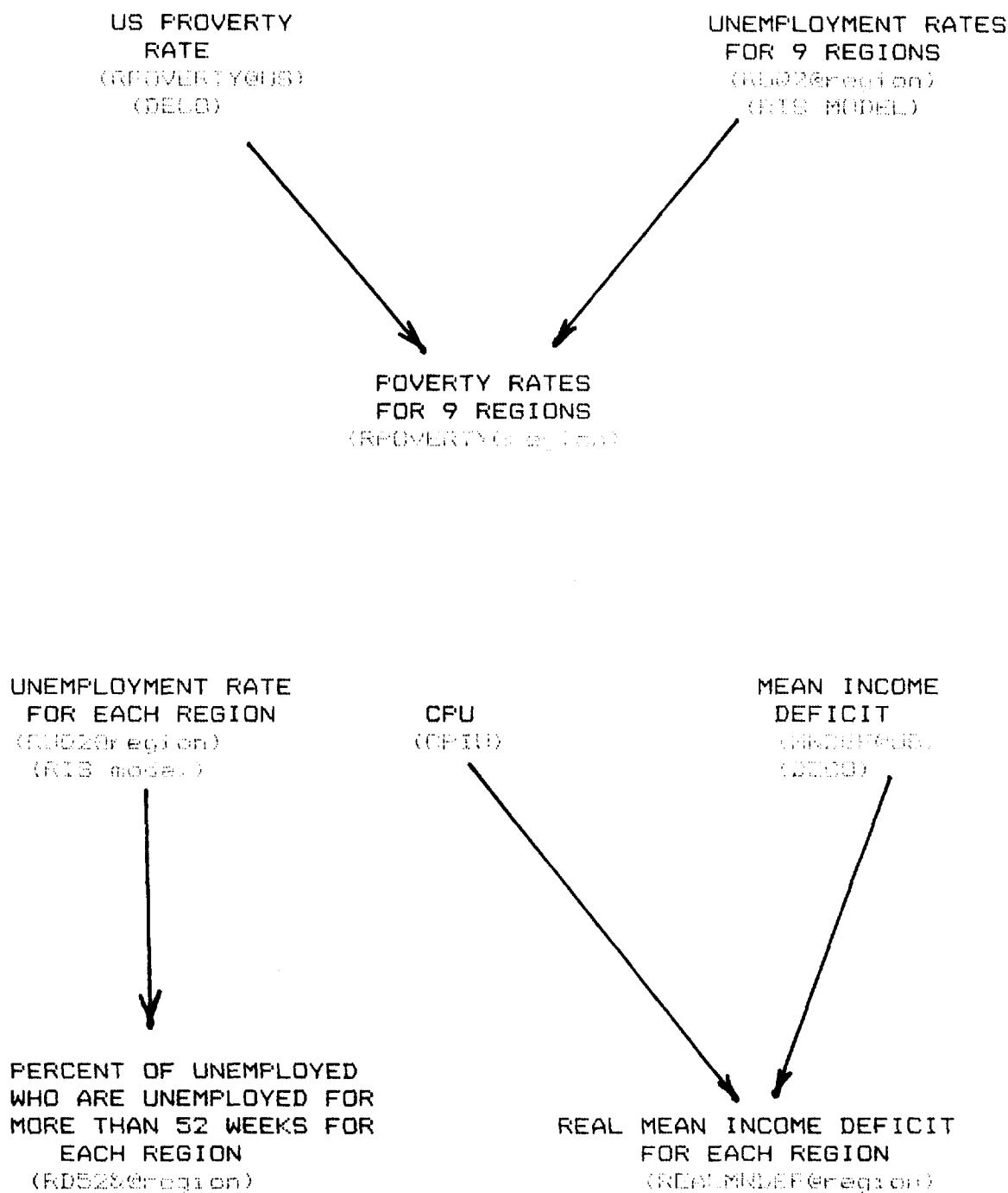
FLOW DIAGRAM CONTINUED



FLOW DIAGRAM CONTINUED



FLOW DIAGRAM CONTINUED



?DO

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RBENBP

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	172.283	2.938	58.64	CONSTANT
1)	1.54181	0.4608	3.346	RUC
2)	-29.3566	1.371	-21.42	CPIU
	0.309659	0.2022	1.531	RHO

R-BAR SQUARED: 0.9763

DURBIN-WATSON STATISTIC: 1.8045

STANDARD ERROR OF THE REGRESSION: 1.981 NORMALIZED: 0.01718

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALWAGE

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-0.438914	0.06974	-6.294	CONSTANT
1)	2.56360	0.06669	38.44	JAHEADJEA/CPIU
	0.355274	0.1736	2.047	RHO

R-BAR SQUARED: 0.9910
DURBIN-WATSON STATISTIC: 1.8757
STANDARD ERROR OF THE REGRESSION: 0.008201 NORMALIZED: 0.003660

?DO

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: FHFF

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-2243.02	349.7	-6.413	CONSTANT
1)	81.9869	2.633	31.14	TIME
	0.137125	0.1839	0.7458	RHO

R-BAR SQUARED: 0.9761

DURBIN-WATSON STATISTIC: 1.8844

STANDARD ERROR OF THE REGRESSION: 120.4 NORMALIZED: 0.01397

DO

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: STANDARD

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-278.436	83.37	-3.340	CONSTANT
1)	5.18994	0.6289	8.252	TIME
	0.693345	0.1414	4.903	RHO

R-BAR SQUARED: 0.9427

DURBIN-WATSON STATISTIC: 1.9987

STANDARD ERROR OF THE REGRESSION: 12.10 NORMALIZED: 0.02978

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: BENBP

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	112.863	7.972	14.16	CONSTANT
1)	39.9727	4.444	8.994	CPIU
2)	0.141332	0.04160	3.397	STANDARD
	0.0868599	0.1889	0.4599	RHO

R-BAR SQUARED: 0.9804
DURBIN-WATSON STATISTIC: 1.9021
STANDARD ERROR OF THE REGRESSION: 3.654 NORMALIZED: 0.01385

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: BENUP

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	174.521	25.95	6.724	CONSTANT
1)	90.6016	14.73	6.152	CPIU
2)	0.0324936	0.1358	0.2393	STANDARD
	0.308046	0.1952	1.578	RHO

R-BAR SQUARED: 0.9555
DURBIN-WATSON STATISTIC: 1.7276
STANDARD ERROR OF THE REGRESSION: 9.603 NORMALIZED: 0.02402

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
 DEPENDENT VARIABLE: CASEBP

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	2.79077E+06	5.538E+05	5.039	CONSTANT
1)	143.403	28.00	5.121	FHFF
2)	-1.07765E+06	2.317E+05	-4.652	REALWAGE
3)	6129.49	2184	2.807	RBENBP
4)	46730.4	3.309E+04	1.412	RPOVERTY@US
5)				PDL(RUC,2,10,NONE)
\0	16746.0	4577	.	+ * +
\1	13935.0	2937	.	+ * +
\2	11553.7	1869	.	+ * +
\3	9602.29	1469	.	+ * +
\4	8080.68	1497	.	+ * +
\5	6988.88	1536	.	+ * +
\6	6326.89	1462	.	+ * +
\7	6094.71	1486	.	+ * +
\8	6292.35	2050	.	+ * +
\9	6919.80	3281	.	+ * +
SUM	92540.3	1.461E+04	6.335	
AVG	3.52666	5.151E+04	6.846E-05	
6)	-223489	2.375E+04	-9.410	DMY1
7)	-431278	3.277E+04	-13.16	DMY2
8)	-543250	3.727E+04	-14.57	DMY3
9)	-32623.1	6978	-4.675	SEASON1\2
	0.390566	0.2426	1.610	RHO

R-BAR SQUARED: 0.9731

DURBIN-WATSON STATISTIC: 1.6514

STANDARD ERROR OF THE REGRESSION: 1.505E+04 NORMALIZED: 0.004448

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: CASEUP

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-519344	2.815E+05	-1.845	CONSTANT
1)	50256.6	9626	5.221	RPOVERTY@US
2)	-30243.8	9.206E+04	-0.3285	REALWAGE
3)				PDL(RUC,2,9,NONE)
\0	5696.92	2329	.	+
\1	4962.72	1167	.	+
\2	4280.13	548.8	.	+
\3	3649.12	719.0	.	*
\4	3069.70	950.8	.	+
\5	2541.88	987.8	.	*
\6	2065.65	930.1	.	+
\7	1641.02	1150	.+	*
\8	1267.97	1929	+	*
SUM	29175.1	5707	5.112	
AVG	2.86146	1.633E+04	0.0001752	
4)	-36346.1	1.531E+04	-2.373	DMY1
5)	-44283.2	1.665E+04	-2.660	DMY2
6)	-79894.6	1.917E+04	-4.168	DMY3

R-BAR SQUARED: 0.9636

DURBIN-WATSON STATISTIC: 1.9569

STANDARD ERROR OF THE REGRESSION: 1.111E+04 NORMALIZED: 0.06226

EAFDCTP@US: EQUATION
1>AFDCTP@US=(BENBP*CASEBP+BENUP*CASEUP)

EAVGAFDCTP@US: EQUATION
1>AVGAFDCTP@US=AFDCTP@US/(CASEBP*AFDCBRFAMSIZE@US+CASEUP*
AFDCUPFAMSIZE@US)

EREALAVGAFDCTP@US: EQUATION
1>REALAVGAFDCTP@US=(AVGAFDCTP@US/CPIU)

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@NENG

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	6.20100	3.142	1.973	CONSTANT
1)	1.07062	0.07886	13.58	REALAVGAFDCTP@US
	-0.0208858	0.1858	-0.1124	RHO

R-BAR SQUARED: 0.8501
DURBIN-WATSON STATISTIC: 1.9271
STANDARD ERROR OF THE REGRESSION: 1.326 NORMALIZED: 0.02719

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@MATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	19.9443	154.9	0.1287	CONSTANT
1)	0.735643	0.1654	4.447	REALAVGAFDCTP@US
	0.999988	1.825E-05	5.480E+04	RHO

R-BAR SQUARED: 0.9851
DURBIN-WATSON STATISTIC: 0.9848
STANDARD ERROR OF THE REGRESSION: 0.7674 NORMALIZED: 0.01653

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@SATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	6.06251	1.223	4.959	CONSTANT
1)	0.527874	0.03067	17.21	REALAVGAFDCTP@US
	0.416433	0.1717	2.425	RHO

R-BAR SQUARED: 0.9599
DURBIN-WATSON STATISTIC: 1.8395
STANDARD ERROR OF THE REGRESSION: 0.3181 NORMALIZED: 0.01177

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@ENC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	9.79381	5.982	1.637	CONSTANT
1)	0.785971	0.1421	5.531	REALAVGAFDCTP@US
	0.962312	0.04089	23.54	RHO

R-BAR SQUARED: 0.9753
DURBIN-WATSON STATISTIC: 1.7107
STANDARD ERROR OF THE REGRESSION: 0.6652 NORMALIZED: 0.01606

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@ESC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	7.23128	2.852	2.535	CONSTANT
1)	0.268592	0.06392	4.202	REALAVGAFDCTP@US
	0.979691	0.02579	37.98	RHO

R-BAR SQUARED: 0.9751
DURBIN-WATSON STATISTIC: 1.3407
STANDARD ERROR OF THE REGRESSION: 0.2974 NORMALIZED: 0.01646

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@WNC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-8.17316	6.588	-1.241	CONSTANT
1)	1.17327	0.1504	7.799	REALAVGAFDCTP@US
	0.975375	0.02983	32.69	RHO

R-BAR SQUARED: 0.8722
DURBIN-WATSON STATISTIC: 1.7449
STANDARD ERROR OF THE REGRESSION: 0.6933 NORMALIZED: 0.01764

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@WSC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-5.76721	2.515	-2.293	CONSTANT
1)	0.635301	0.06309	10.07	REALAVGAFDCTP@US
	0.189759	0.1845	1.028	RHO

R-BAR SQUARED: 0.8304
DURBIN-WATSON STATISTIC: 1.9477
STANDARD ERROR OF THE REGRESSION: 0.8572 NORMALIZED: 0.04402

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@PNW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	4.85133	7.876	0.6159	CONSTANT
1)	1.09330	0.1971	5.548	REALAVGAFDCTP@US
	0.667851	0.1456	4.587	RHO

R-BAR SQUARED: 0.8212
DURBIN-WATSON STATISTIC: 1.9866
STANDARD ERROR OF THE REGRESSION: 1.320 NORMALIZED: 0.02724

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: REALAVGAFDCTP@PSW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-29.4085	13.11	-2.244	CONSTANT
1)	1.98628	0.2730	7.276	REALAVGAFDCTP@US
	0.987472	0.01706	57.88	RHO

R-BAR SQUARED: 0.5469
DURBIN-WATSON STATISTIC: 1.7258
STANDARD ERROR OF THE REGRESSION: 1.268 NORMALIZED: 0.02502

EAFDCBR@US: EQUATION
1>AFDCBR@US=CASEBP*AFDCBRFAMSIZE@US

ERAFCBR@US: EQUATION
1>RAFDCBR@US=AFDCBR@US/N*100

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RAFDCBR@NENG

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-0.370852	0.8255	-0.4492	CONSTANT
1)	1.12370	0.1736	6.471	RAFDCBR@US
	0.979839	0.02219	44.15	RHO

R-BAR SQUARED: 0.9837

DURBIN-WATSON STATISTIC: 0.6609

STANDARD ERROR OF THE REGRESSION: 0.05762 NORMALIZED: 0.01216

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@MATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	1.62241	5.786	0.2804	CONSTANT
1)	0.898129	0.08503	10.56	RAFDCBR@US
	0.999988	1.826E-05	5.478E+04	RHO

R-BAR SQUARED: 0.9913

DURBIN-WATSON STATISTIC: 1.0468

STANDARD ERROR OF THE REGRESSION: 0.02862 NORMALIZED: 0.005105

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@SATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-0.570872	0.2502	-2.282	CONSTANT
1)	0.984037	0.05687	17.30	RAFDCBR@US
	0.919540	0.05678	16.19	RHO

R-BAR SQUARED: 0.9905

DURBIN-WATSON STATISTIC: 0.8486

STANDARD ERROR OF THE REGRESSION: 0.02154 NORMALIZED: 0.005854

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@ENC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	1.45494	0.4581	3.176	CONSTANT
1)	0.835674	0.08982	9.304	RAFDCBR@US
	0.991947	0.01095	90.61	RHO

R-BAR SQUARED: 0.9666

DURBIN-WATSON STATISTIC: 0.6176

STANDARD ERROR OF THE REGRESSION: 0.03020 NORMALIZED: 0.006115

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@ESC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-1.51007	0.3944	-3.829	CONSTANT
1)	1.40755	0.09073	15.51	RAFDCBR@US
	0.808631	0.1018	7.940	RHO

R-BAR SQUARED: 0.9872

DURBIN-WATSON STATISTIC: 1.7181

STANDARD ERROR OF THE REGRESSION: 0.04164 NORMALIZED: 0.009127

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@WNC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-1.42453	0.2972	-4.794	CONSTANT
1)	1.07819	0.06819	15.81	RAFDCBR@US
	0.819238	0.1001	8.182	RHO

R-BAR SQUARED: 0.9883

DURBIN-WATSON STATISTIC: 1.4104

STANDARD ERROR OF THE REGRESSION: 0.03146 NORMALIZED: 0.009770

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RAFDCBR@WSC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-2.15276	0.3990	-5.395	CONSTANT
1)	1.17483	0.08898	13.20	RAFDCBR@US
	0.884654	0.1023	8.650	RHO

R-BAR SQUARED: 0.9908

DURBIN-WATSON STATISTIC: 0.8607

STANDARD ERROR OF THE REGRESSION: 0.03012 NORMALIZED: 0.01044

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RAFDCBR@PNW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	0.301619	0.3692	0.8169	CONSTANT
1)	0.628450	0.08474	7.416	RAFDCBR@US
	0.880936	0.08021	10.98	RHO

R-BAR SQUARED: 0.9625
DURBIN-WATSON STATISTIC: 1.0160
STANDARD ERROR OF THE REGRESSION: 0.03425 NORMALIZED: 0.01129

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RAFDCBR@PSW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	0.120805	0.4757	0.2539	CONSTANT
1)	1.01591	0.1087	9.346	RAFDCBR@US
	0.881158	0.07736	11.39	RHO

R-BAR SQUARED: 0.9803
DURBIN-WATSON STATISTIC: 1.8067
STANDARD ERROR OF THE REGRESSION: 0.04443 NORMALIZED: 0.009910

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: CPIFOODATHOME

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	0.0863408	0.05348	1.614	CONSTANT
1)	0.970726	0.02274	42.69	CPIU81000
	0.704896	0.1557	4.527	RHO

R-BAR SQUARED: 0.9981
DURBIN-WATSON STATISTIC: 1.8036
STANDARD ERROR OF THE REGRESSION: 0.01674 NORMALIZED: 0.007063

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: CPILESSFOOD

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-0.0990330	0.02444	-4.052	CONSTANT
1)	1.03223	0.01038	99.46	CPIU
	0.800869	0.1178	6.796	RHO

R-BAR SQUARED: 0.9998

DURBIN-WATSON STATISTIC: 1.4039

STANDARD ERROR OF THE REGRESSION: 0.006522 NORMALIZED: 0.002819

ECPIHOMETOLESSFOOD@US: EQUATION

1>CPIHOMETOLESSFOOD@US=CPIFOODATHOME/CPILESSFOOD

EREALMAXALLOT4@US: EQUATION

1>REALMAXALLOT4@US=MAXALLOT4@US/CPIFOODATHOME

ORDINARY LEAST SQUARES

QUARTERLY(1973:1 TO 1983:4) 44 OBSERVATIONS
DEPENDENT VARIABLE: RPOVERTY@NOE

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-0.655617	0.6912	-0.9485	CONSTANT
1)	0.880704	0.05108	17.24	RPOVERTY@US
2)	0.0719287	0.05614	1.281	RUQ2@NOE

R-BAR SQUARED: 0.8800
DURBIN-WATSON STATISTIC: 0.3489
STANDARD ERROR OF THE REGRESSION: 0.5011 NORMALIZED: 0.04671

ORDINARY LEAST SQUARES

QUARTERLY(1973:1 TO 1983:4) 44 OBSERVATIONS
DEPENDENT VARIABLE: RPOVERTY@SO

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	7.79059	0.6189	12.59	CONSTANT
1)	0.662498	0.04983	13.30	RPOVERTY@US

R-BAR SQUARED: 0.8034
DURBIN-WATSON STATISTIC: 0.3348
STANDARD ERROR OF THE REGRESSION: 0.4972 NORMALIZED: 0.03115

ORDINARY LEAST SQUARES

QUARTERLY(1973:1 TO 1983:4) 44 OBSERVATIONS
DEPENDENT VARIABLE: RPOVERTY@NOC

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-2.77202	0.9110	-3.043	CONSTANT
1)	0.999763	0.1131	8.838	RPOVERTY@US
2)	0.152052	0.07551	2.014	RUQ2@NOC

R-BAR SQUARED: 0.9558

DURBIN-WATSON STATISTIC: 0.8269

STANDARD ERROR OF THE REGRESSION: 0.3974 NORMALIZED: 0.03735

ORDINARY LEAST SQUARES

QUARTERLY(1973:1 TO 1983:4) 44 OBSERVATIONS
DEPENDENT VARIABLE: RPOVERTY@WT

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-1.50878	0.4673	-3.229	CONSTANT
1)	0.872015	0.04641	18.79	RPOVERTY@US
2)	0.279638	0.05194	5.384	RUQ2@WT

R-BAR SQUARED: 0.9476

DURBIN-WATSON STATISTIC: 0.5725

STANDARD ERROR OF THE REGRESSION: 0.3718 NORMALIZED: 0.03256

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEFENDENT VARIABLE: RD52&@NENG

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-11.8872	1.475	-8.058	CONSTANT
1)				PDL (RUQ2@NENG\1,2,7,FAR)
\1	0.765953	0.1527	.	+ * +
\2	0.639102	0.07491	.	+ * +
\3	0.518061	0.03573	.	***
\4	0.402830	0.05081	.	***
\5	0.293408	0.06619	.	+ * +
\6	0.189796	0.06411	.	***
\7	0.0919933	0.04223	.	***
SUM	2.90114	0.2001	14.50	
AVG	1.91590	0.3842	4.986	
	0.259832	0.1942	1.338	RHO

R-BAR SQUARED: 0.9222

DURBIN-WATSON STATISTIC: 1.8230

STANDARD ERROR OF THE REGRESSION: 1.224 NORMALIZED: 0.1369

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEFENDENT VARIABLE: RDS2&@MATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-12.6264	3.423	-3.689	CONSTANT
'				FDL (RUD2@MATL\1,2,7,FAR)
\1	1.08780	0.2125	.	+ * +
\2	0.763425	0.1107	.	+ * +
\3	0.495378	0.07339	.	***
\4	0.283654	0.09357	.	***
\5	0.128255	0.1096	+ * +	
\6	0.0291794	0.1016	+.*+	
\7	-0.0135722	0.06544	***	
SUM	2.77412	0.4110	6.750	
AVG	NM			
	0.437711	0.1738	2.518	RHO

R-BAR SQUARED: 0.8368

DURBIN-WATSON STATISTIC: 1.8906

STANDARD ERROR OF THE REGRESSION: 1.215 NORMALIZED: 0.1155

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RDS2@SATL

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-11.0985	2.920	-3.801	CONSTANT
1)				FDL(RUQ2@SATL\1,2,7,FAR)
.1	0.517714	0.2302	.	+ * +
.2	0.490229	0.1173	.	+ * +
.3	0.447252	0.07287	.	+ * +
.4	0.388784	0.09569	.	+ * +
.5	0.314825	0.1147	.	+ * +
.6	0.225375	0.1073	.	+ * +
.7	0.120433	0.06949	.+ * +	
SUM	2.50461	0.4081	6.137	
AVG	2.25977	0.7232	3.125	
	0.622379	0.1570	3.964	RHO

R-BAR SQUARED: 0.8627

DURBIN-WATSON STATISTIC: 2.0105

STANDARD ERROR OF THE REGRESSION: 1.002 NORMALIZED: 0.1589

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RD52%@ENC

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-------------	------------	--------	----------------------

-9.61684	1.361	-7.065	CONSTANT
----------	-------	--------	----------

1)			PDL (RUQ2@ENC\1,2,7,FAR)
\1	0.441158	0.1387	.
\2	0.441636	0.05850	.
\3	0.420947	0.02972	.
\4	0.379092	0.05847	.
\5	0.316069	0.07530	.
\6	0.231880	0.07168	.
\7	0.126523	0.04666	.
SUM	2.35731	0.1664	14.17
AVG	2.37713	0.3541	6.712
	0.204417	0.1894	1.079 RHO

R-BAR SQUARED: 0.9204

DURBIN-WATSON STATISTIC: 1.8980

STANDARD ERROR OF THE REGRESSION: 1.420 NORMALIZED: 0.1451

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEFENDENT VARIABLE: RD52&@ESC

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-5.31326	1.140	-4.660	CONSTANT

1)			PDL (RUQ2@ESC\1,2,7,FAR)
\1	0.00832226	0.1426	+
\2	0.166770	0.05979	.
\3	0.272005	0.02594	.
\4	0.324028	0.05627	.
\5	0.322839	0.07423	.
\6	0.268438	0.07128	.
\7	0.160825	0.04660	.
SUM	1.52323	0.1453	10.48
AVG	3.46722	0.5513	6.289
	0.385052	0.1895	2.032 RHO

R-BAR SQUARED: 0.8951

DURBIN-WATSON STATISTIC: 1.9104

STANDARD ERROR OF THE REGRESSION: 1.013 NORMALIZED: 0.1599

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS

DEPENDENT VARIABLE: RD52&@WNC

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-6.93295	1.802	-3.848	CONSTANT

1)			FDL (RUQ2@WNC\1,2,7,FAR)
\1	0.168401	0.2259	+
\2	0.319343	0.1062	.
\3	0.411953	0.05771	.
\4	0.446228	0.08960	.
\5	0.422171	0.1130	.
\6	0.339781	0.1074	.
\7	0.199057	0.06999	.
SUM	2.30693	0.3232	7.138
AVG	3.06201	0.8099	3.781
	0.561422	0.1623	3.459 RHD

R-BAR SQUARED: 0.8681

DURBIN-WATSON STATISTIC: 1.9652

STANDARD ERROR OF THE REGRESSION: 1.050 NORMALIZED: 0.1972

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RD52&@WSC

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-------------	------------	--------	----------------------

-4.83061	1.251	-3.861	CONSTANT
----------	-------	--------	----------

1)			PDL(RD52&@WSC\1,2,7,FAR)
\1	0.585630	0.1169	+
\2	0.398198	0.04468	*
\3	0.245356	0.03884	**
\4	0.127104	0.06854	+
\5	0.0434428	0.08244	*
\6	-0.00562841	0.07603	+
\7	-0.0201093	0.04862	**
SUM	1.37399	0.2175	6.318
AVG	NM		
	0.219412	0.1843	RHO

R-BAR SQUARED: 0.8510

DURBIN-WATSON STATISTIC: 1.9186

STANDARD ERROR OF THE REGRESSION: 0.6217 NORMALIZED: 0.1791

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RD52%@PNW

	COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
	-11.3308	2.029	-5.584	CONSTANT
1)				PDL (RUQ2@PNW\1,2,7,FAR)
\1	0.238859	0.1613	.	+
\2	0.336665	0.07670	.	+ * +
\3	0.390495	0.04353	.	+ * +
\4	0.400348	0.06546	.	+ * +
\5	0.366226	0.08159	.	+ * +
\6	0.288127	0.07723	.	+ * +
\7	0.166052	0.05022	.	+ * +
SUM	2.18677	0.2438	8.971	
AVG	2.84463	0.5651	5.034	
	0.450160	0.1706	2.638	RHO

R-BAR SQUARED: 0.8827
DURBIN-WATSON STATISTIC: 1.8645
STANDARD ERROR OF THE REGRESSION: 1.094 NORMALIZED: 0.1693

LEAST SQUARES WITH FIRST-ORDER AUTOCORRELATION CORRECTION

QUARTERLY(1976:1 TO 1983:4) 32 OBSERVATIONS
DEPENDENT VARIABLE: RD52&@PSW

COEFFICIENT	STD. ERROR	T-STAT	INDEPENDENT VARIABLE
-------------	------------	--------	----------------------

-6.60094	1.300	-5.080	CONSTANT
----------	-------	--------	----------

1)			PDL(RU02@PSW\1,2,7,FAR)
\1	0.580081	0.1028	. + * +
\2	0.425169	0.04905	. ***
\3	0.294271	0.02975	. ***
\4	0.187388	0.04410	. ***
\5	0.104519	0.05411	.+ * +
\6	0.0456650	0.05086	+.* +
\7	0.0108253	0.03295	***
SUM	1.64792	0.1666	9.890
AVG	1.38795	0.3831	3.623
	0.261796	0.1880	RHO

R-BAR SQUARED: 0.8685

DURBIN-WATSON STATISTIC: 1.8704

STANDARD ERROR OF THE REGRESSION: 0.8244 NORMALIZED: 0.1335

APPENDIX F: COUNTERFACTUAL SIMULATION RESULTS

Appendix F compares the results of the counterfactual simulation with the results from the primary model. For each region, a comparison of the actual and counterfactual values of the endogenous and exogenous variables for both the caseload and cost equations is presented. The endogenous variable of the caseload model is the percent of population in the foodstamp program and the endogenous variable in the cost model is real average cost per recipient. All of the other concepts are the independent variables in the equations.

12/26/84

CASELOAD MODEL

COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR NEW ENGLAND

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	7.51	6.98	6.61	6.66	6.55	6.21	5.85	5.89	5.90	6.04	5.82	5.88
ACTUAL	7.78	7.59	7.35	7.38	7.49	7.20	6.88	6.91	6.87	6.99	6.68	6.58
DIFFERENCE	-0.26	-0.68	-0.73	-0.72	-0.95	-1.00	-1.03	-1.02	-0.97	-0.96	-0.86	-0.70

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	5.87	5.73	5.72	6.01	6.12	5.98	5.78	5.48	5.34	4.69	4.37	4.77
ACTUAL	5.96	6.02	6.27	6.89	7.46	7.79	7.98	7.92	7.81	6.98	6.30	6.14
DIFFERENCE	-0.09	-0.29	-0.55	-0.88	-1.34	-1.81	-2.21	-2.44	-2.48	-2.29	-1.93	-1.38

POVERTY RATE

NO RECESSION	11.98	11.69	11.55	11.56	11.72	11.73	11.75	11.77	11.80	11.82	11.82	11.83
ACTUAL	11.56	11.76	12.00	12.27	12.67	12.95	13.14	13.24	13.26	13.25	13.23	13.22
DIFFERENCE	0.42	-0.07	-0.45	-0.71	-0.95	-1.21	-1.39	-1.47	-1.47	-1.43	-1.41	-1.39

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	4.83	4.52	4.48	4.25	4.00	3.86	3.82	3.82	3.82	3.79	3.74	3.74
ACTUAL	5.00	4.91	4.84	4.52	4.32	4.11	4.02	3.96	3.93	3.93	3.88	3.88
DIFFERENCE	-0.17	-0.38	-0.35	-0.27	-0.32	-0.26	-0.20	-0.15	-0.10	-0.13	-0.14	-0.14

F2

7

12/26/84

COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE MIDDLE ATLANTIC

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	10.02	9.75	8.99	8.73	8.35	8.16	7.93	7.87	8.16	8.34	8.06	8.02
ACTUAL	9.67	9.76	9.48	9.47	9.29	9.26	9.11	9.16	9.46	9.62	9.38	9.34
DIFFERENCE	0.35	-0.01	-0.49	-0.73	-0.95	-1.10	-1.19	-1.28	-1.30	-1.28	-1.33	-1.33

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	7.54	7.46	7.28	7.11	7.31	7.36	7.32	7.73	8.08	8.10	7.96	7.62
ACTUAL	7.62	7.72	7.76	7.88	8.48	8.94	9.24	9.86	10.24	10.10	9.64	8.82
DIFFERENCE	-0.08	-0.25	-0.48	-0.77	-1.17	-1.58	-1.93	-2.13	-2.16	-2.00	-1.68	-1.20

POVERTY RATE

NO RECESSION	11.98	11.69	11.55	11.56	11.72	11.73	11.75	11.77	11.80	11.82	11.82	11.83
ACTUAL	11.56	11.76	12.00	12.27	12.67	12.95	13.14	13.24	13.26	13.25	13.23	13.22
DIFFERENCE	0.42	-0.07	-0.45	-0.71	-0.95	-1.21	-1.39	-1.47	-1.47	-1.43	-1.41	-1.39

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	5.65	5.61	5.58	5.39	5.19	5.08	5.05	5.05	5.05	5.03	4.98	4.98
ACTUAL	5.63	5.59	5.66	5.49	5.32	5.18	5.12	5.14	5.16	5.14	5.13	5.15
DIFFERENCE	0.02	0.02	-0.08	-0.10	-0.12	-0.10	-0.08	-0.10	-0.11	-0.11	-0.14	-0.15

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE SOUTH ATLANTIC**

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	10.02	10.11	9.32	8.80	8.45	7.95	7.31	7.18	8.09	7.43	6.98	6.85
ACTUAL	9.98	10.34	9.82	9.52	9.61	9.57	9.26	9.23	10.16	9.47	8.88	8.57
DIFFERENCE	0.03	-0.23	-0.51	-0.72	-1.15	-1.62	-1.95	-2.04	-2.07	-2.04	-1.90	-1.72

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	6.45	6.43	6.41	6.73	6.78	6.59	6.38	6.51	6.43	5.68	5.83	5.88
ACTUAL	6.55	6.75	7.02	7.78	8.26	8.59	8.82	9.21	9.17	8.21	7.96	7.40
DIFFERENCE	-0.10	-0.32	-0.61	-0.97	-1.48	-2.00	-2.44	-2.70	-2.74	-2.53	-2.13	-1.52

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	4.39	4.76	5.00	5.12	5.32	5.42	5.41	5.32	5.32	5.26	4.80	4.42
ACTUAL	6.23	6.23	6.23	6.23	6.86	6.86	6.86	6.86	12.22	12.22	12.22	12.22
DIFFERENCE	-1.84	-1.47	-1.24	-1.11	-1.54	-1.45	-1.45	-1.54	-6.90	-6.96	-7.42	-7.80

REAL AVERAGE ANNUAL WAGE

NO RECESSION	5.65	5.62	5.61	5.65	5.70	5.77	5.79	5.87	5.91	5.94	5.89	5.84
ACTUAL	5.66	5.61	5.59	5.60	5.63	5.66	5.66	5.76	5.79	5.84	5.86	5.84
DIFFERENCE	-0.01	0.02	0.02	0.05	0.07	0.11	0.13	0.11	0.12	0.10	0.02	0.00

POVERTY RATE

NO RECESSION	17.35	17.05	16.88	16.84	16.93	16.89	16.87	16.84	16.83	16.82	16.80	16.77
ACTUAL	17.09	17.31	17.51	17.69	18.04	18.21	18.19	17.96	17.01	16.95	16.89	16.83
DIFFERENCE	0.26	-0.26	-0.63	-0.85	-1.11	-1.32	-1.32	-1.12	-0.18	-0.14	-0.10	-0.06

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	3.83	3.79	3.74	3.53	3.31	3.18	3.14	3.14	3.14	3.11	3.06	3.06
ACTUAL	3.82	3.77	3.75	3.55	3.38	3.33	3.36	3.39	3.43	3.43	3.37	3.37
DIFFERENCE	0.02	0.01	-0.01	-0.01	-0.07	-0.15	-0.22	-0.25	-0.29	-0.31	-0.31	-0.31

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE EAST SOUTH CENTRAL**

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	16.17	15.77	14.93	14.64	14.47	13.63	13.21	13.19	14.25	14.01	13.23	13.14
ACTUAL	16.03	15.87	15.36	15.00	15.56	15.42	15.22	15.40	16.61	16.46	15.63	15.36
DIFFERENCE	0.14	-0.10	-0.43	-0.36	-1.08	-1.79	-2.01	-2.21	-2.36	-2.45	-2.39	-2.22

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	8.88	8.66	8.28	9.18	9.37	8.99	9.46	9.80	9.33	8.65	8.53	8.01
ACTUAL	9.01	9.09	9.09	10.47	11.34	11.66	12.71	13.40	12.98	12.02	11.37	10.04
DIFFERENCE	-0.13	-0.43	-0.81	-1.30	-1.97	-2.67	-3.25	-3.60	-3.65	-3.37	-2.84	-2.03

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	5.13	6.10	6.91	7.53	7.86	7.94	8.05	8.21	8.41	8.71	8.94	8.89
ACTUAL	5.56	5.56	5.56	5.56	7.45	7.45	7.45	7.45	13.93	13.93	13.93	13.93
DIFFERENCE	-0.43	0.54	1.35	1.97	0.41	0.50	0.61	0.76	-5.53	-5.23	-4.99	-5.05

REAL AVERAGE ANNUAL WAGE

NO RECESSION	5.34	5.30	5.28	5.30	5.36	5.41	5.42	5.44	5.51	5.52	5.50	5.47
ACTUAL	5.35	5.28	5.26	5.24	5.28	5.30	5.28	5.32	5.37	5.40	5.44	5.44
DIFFERENCE	-0.01	0.02	0.03	0.06	0.08	0.12	0.14	0.12	0.14	0.12	0.05	0.03

POVERTY RATE

NO RECESSION	17.35	17.05	16.88	16.84	16.93	16.89	16.87	16.84	16.83	16.82	16.80	16.77
ACTUAL	17.09	17.31	17.51	17.69	18.04	18.21	18.19	17.96	17.01	16.95	16.89	16.83
DIFFERENCE	0.26	-0.26	-0.63	-0.85	-1.11	-1.32	-1.32	-1.12	-0.18	-0.14	-0.10	-0.06

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	4.76	4.69	4.63	4.32	4.00	3.82	3.76	3.76	3.76	3.72	3.65	3.65
ACTUAL	4.72	4.65	4.62	4.22	4.02	3.99	3.95	4.01	4.08	4.12	4.10	4.13
DIFFERENCE	0.04	0.04	0.00	0.10	-0.02	-0.17	-0.19	-0.25	-0.32	-0.40	-0.45	-0.48

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE WEST SOUTH CENTRAL**

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	9.83	9.31	8.96	8.26	7.83	7.37	7.19	7.46	8.20	8.12	7.47	7.43
ACTUAL	9.73	9.38	9.15	8.65	8.70	8.63	8.60	9.01	9.84	9.73	9.15	9.21
DIFFERENCE	0.10	-0.07	-0.19	-0.39	-0.87	-1.26	-1.42	-1.54	-1.64	-1.61	-1.68	-1.79

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	5.82	5.81	5.50	5.32	5.36	5.74	6.30	6.62	7.37	7.55	7.37	7.06
ACTUAL	5.88	6.01	5.89	5.94	6.29	7.00	7.84	8.32	9.10	9.15	8.71	8.02
DIFFERENCE	-0.06	-0.20	-0.38	-0.61	-0.94	-1.27	-1.54	-1.70	-1.73	-1.60	-1.35	-0.96

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	2.96	3.10	3.15	2.98	2.75	2.62	2.77	3.23	3.73	4.49	5.07	5.27
ACTUAL	2.87	2.87	2.87	2.87	3.08	3.08	3.08	3.08	7.51	7.51	7.51	7.51
DIFFERENCE	0.08	0.23	0.28	0.11	-0.33	-0.46	-0.31	0.14	-3.78	-3.02	-2.44	-2.23

REAL AVERAGE ANNUAL WAGE

NO RECESSION	6.04	6.02	6.02	6.11	6.21	6.24	6.24	6.25	6.35	6.32	6.25	6.21
ACTUAL	6.06	6.01	6.00	6.05	6.12	6.10	6.07	6.11	6.19	6.18	6.19	6.19
DIFFERENCE	-0.01	0.01	0.02	0.06	0.09	0.13	0.16	0.14	0.16	0.14	0.06	0.02

POVERTY RATE

NO RECESSION	17.35	17.05	16.88	16.84	16.93	16.89	16.87	16.84	16.83	16.82	16.80	16.77
ACTUAL	17.09	17.31	17.51	17.69	18.04	18.21	18.19	17.96	17.01	16.95	16.89	16.83
DIFFERENCE	0.26	-0.26	-0.63	-0.85	-1.11	-1.32	-1.32	-1.12	-0.18	-0.14	-0.10	-0.06

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	2.99	2.94	2.90	2.66	2.40	2.25	2.22	2.22	2.22	2.19	2.14	2.14
ACTUAL	2.98	2.91	2.84	2.61	2.45	2.37	2.36	2.42	2.52	2.52	2.53	2.62
DIFFERENCE	0.00	0.03	0.06	0.05	-0.04	-0.11	-0.14	-0.20	-0.30	-0.32	-0.39	-0.48

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE EAST NORTH CENTRAL**

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	8.82	8.60	8.34	8.11	8.40	8.23	7.98	8.10	8.12	8.26	8.04	8.17
ACTUAL	8.63	8.70	8.68	8.64	9.07	9.13	9.13	9.46	10.24	10.35	10.06	10.11
DIFFERENCE	0.19	-0.10	-0.34	-0.53	-0.68	-0.90	-1.14	-1.35	-2.12	-2.08	-2.02	-1.94

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	9.59	9.04	8.55	8.80	9.08	9.08	9.16	9.39	9.61	9.22	8.92	8.64
ACTUAL	9.73	9.49	9.40	10.16	11.15	11.89	12.57	13.17	13.45	12.76	11.91	10.77
DIFFERENCE	-0.14	-0.45	-0.85	-1.36	-2.07	-2.81	-3.42	-3.78	-3.83	-3.55	-2.99	-2.13

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	9.34	11.00	11.83	12.05	12.04	11.87	11.65	11.60	11.74	12.06	12.21	12.14
ACTUAL	11.75	11.75	11.75	11.75	12.44	12.44	12.44	12.44	20.58	20.58	20.58	20.58
DIFFERENCE	-2.41	-0.74	0.08	0.30	-0.40	-0.58	-0.79	-0.84	-8.84	-8.52	-8.37	-8.44

REAL AVERAGE ANNUAL WAGE

NO RECESSION	6.18	6.16	6.10	6.10	6.11	6.19	6.19	6.16	6.23	6.26	6.31	6.29
ACTUAL	6.17	6.13	6.07	6.03	6.02	6.07	6.04	6.03	6.09	6.17	6.23	6.26
DIFFERENCE	0.00	0.03	0.03	0.07	0.09	0.12	0.15	0.14	0.14	0.09	0.08	0.02

POVERTY RATE

NO RECESSION	12.62	12.18	11.96	11.94	12.14	12.13	12.13	12.14	12.16	12.17	12.17	12.17
ACTUAL	11.95	12.18	12.41	12.66	12.89	13.14	13.42	13.75	14.48	14.48	14.48	14.48
DIFFERENCE	0.67	0.01	-0.46	-0.72	-0.75	-1.01	-1.30	-1.61	-2.32	-2.31	-2.31	-2.31

12/26/84

COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE WEST NORTH CENTRAL

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	6.07	5.83	5.46	5.32	5.59	5.47	5.22	5.24	5.28	5.41	5.00	4.97
ACTUAL	5.78	5.83	5.67	5.68	6.08	6.15	6.10	6.29	6.99	7.10	6.67	6.60
DIFFERENCE	0.30	0.00	-0.21	-0.36	-0.50	-0.69	-0.88	-1.05	-1.71	-1.69	-1.66	-1.62

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	5.74	5.69	5.52	5.97	6.22	6.15	6.28	6.25	6.35	5.48	5.41	5.60
ACTUAL	5.82	5.94	6.00	6.74	7.39	7.74	8.22	8.40	8.52	7.49	7.10	6.80
DIFFERENCE	-0.08	-0.26	-0.48	-0.77	-1.17	-1.59	-1.93	-2.14	-2.17	-2.01	-1.69	-1.21

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	6.32	5.49	6.28	6.66	6.73	6.59	6.57	6.71	6.96	7.22	7.29	7.11
ACTUAL	4.80	4.80	4.80	4.80	6.11	6.11	6.11	6.11	12.29	12.29	12.29	12.29
DIFFERENCE	-0.47	0.69	1.48	1.86	0.62	0.48	0.46	0.60	-5.34	-5.08	-5.00	-5.18

REAL AVERAGE ANNUAL WAGE

NO RECESSION	5.55	5.53	5.49	5.50	5.56	5.59	5.58	5.62	5.65	5.70	5.70	5.65
ACTUAL	5.55	5.52	5.48	5.47	5.51	5.55	5.53	5.60	5.62	5.71	5.72	5.70
DIFFERENCE	-0.01	0.01	0.01	0.03	0.04	0.04	0.05	0.01	0.03	-0.01	-0.03	-0.05

POVERTY RATE

NO RECESSION	12.62	12.18	11.96	11.94	12.14	12.13	12.13	12.14	12.16	12.17	12.17	12.17
ACTUAL	11.95	12.18	12.41	12.66	12.89	13.14	13.42	13.75	14.48	14.48	14.48	14.48
DIFFERENCE	0.67	0.01	-0.46	-0.72	-0.75	-1.01	-1.30	-1.61	-2.32	-2.31	-2.31	-2.31

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	3.32	3.27	3.24	3.01	2.77	2.63	2.60	2.60	2.60	2.57	2.52	2.52
ACTUAL	3.32	3.33	3.29	3.05	2.89	2.80	2.81	2.83	2.91	2.94	2.94	2.95
DIFFERENCE	0.00	-0.05	-0.05	-0.04	-0.12	-0.17	-0.21	-0.23	-0.31	-0.36	-0.41	-0.42

12/26/84

COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE PACIFIC NORTH WEST

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	7.55	7.01	6.51	6.32	6.92	6.26	5.63	5.64	6.15	6.04	5.44	4.95
ACTUAL	7.20	6.99	6.75	6.73	7.76	7.44	6.99	7.14	8.01	7.87	6.96	6.58
DIFFERENCE	0.36	0.01	-0.25	-0.42	-0.84	-1.18	-1.37	-1.51	-1.86	-1.83	-1.52	-1.64

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	8.26	8.50	8.73	9.38	9.31	9.00	8.96	8.99	9.07	8.09	7.91	7.95
ACTUAL	8.35	8.79	9.29	10.28	10.67	10.84	11.21	11.48	11.59	10.42	8.01	9.35
DIFFERENCE	-0.09	-0.30	-0.56	-0.90	-1.36	-1.85	-2.25	-2.49	-2.52	-2.33	-0.09	-1.40

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	4.80	5.46	6.07	6.61	7.19	7.58	7.93	8.25	8.44	8.53	8.29	7.85
ACTUAL	3.94	3.94	3.94	3.94	8.83	8.83	8.83	8.83	13.30	13.30	13.30	13.30
DIFFERENCE	0.86	1.52	2.14	2.67	-1.63	-1.24	-0.89	-0.58	-4.86	-4.77	-5.00	-5.45

REAL AVERAGE ANNUAL WAGE

NO RECESSION	6.44	6.41	6.33	6.36	6.49	6.52	6.47	6.46	6.57	6.54	6.40	6.39
ACTUAL	6.43	6.39	6.31	6.31	6.35	6.37	6.29	6.31	6.40	6.42	6.36	6.37
DIFFERENCE	0.01	0.02	0.02	0.05	0.14	0.16	0.17	0.15	0.17	0.12	0.04	0.02

POVERTY RATE

NO RECESSION	12.75	12.34	12.15	12.17	12.40	12.42	12.44	12.47	12.52	12.55	12.56	12.57
ACTUAL	12.20	12.53	12.86	13.21	13.67	14.02	14.28	14.43	14.61	14.54	14.48	14.41
DIFFERENCE	0.55	-0.18	-0.71	-1.04	-1.27	-1.61	-1.83	-1.96	-2.09	-1.99	-1.91	-1.84

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	3.16	3.12	3.09	2.95	2.80	2.72	2.69	2.68	2.68	2.66	2.63	2.63
ACTUAL	3.12	3.06	3.00	2.84	2.74	2.73	2.71	2.74	2.83	2.84	2.80	2.80
DIFFERENCE	0.04	0.07	0.09	0.12	0.07	-0.01	-0.02	-0.06	-0.14	-0.18	-0.18	-0.17

12/26/84

COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR THE PACIFIC SOUTH WEST

PERCENT OF POPULATION IN FOODSTAMP PROGRAM

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	7.28	6.80	6.44	5.78	5.63	5.29	5.23	5.19	5.29	5.40	5.11	4.88
ACTUAL	6.96	6.86	6.81	6.67	6.77	6.69	6.79	6.94	7.36	7.44	7.06	6.78
DIFFERENCE	0.32	-0.06	-0.37	-0.89	-1.14	-1.40	-1.56	-1.75	-2.07	-2.03	-1.95	-1.90

CIVILIAN UNEMPLOYMENT RATE

NO RECESSION	6.63	6.44	6.28	6.52	6.85	7.11	7.48	7.74	7.90	7.60	7.15	6.82
ACTUAL	6.72	6.74	6.85	7.44	8.25	9.00	9.78	10.30	10.49	9.99	9.17	8.26
DIFFERENCE	-0.09	-0.30	-0.57	-0.92	-1.40	-1.89	-2.31	-2.55	-2.59	-2.39	-2.02	-1.44

PERCENT OF UNEMPLOYED WHO HAVE BEEN UNEMPLOYED 52 WEEKS OR MORE

NO RECESSION	4.20	4.40	4.32	4.13	4.10	4.28	4.58	5.02	5.49	5.89	5.97	5.74
ACTUAL	5.14	5.14	5.14	5.14	5.60	5.60	5.60	5.60	10.55	10.55	10.55	10.55
DIFFERENCE	-0.94	-0.74	-0.82	-1.02	-1.50	-1.32	-1.02	-0.58	-5.07	-4.66	-4.58	-4.82

REAL AVERAGE ANNUAL WAGE

NO RECESSION	6.49	6.48	6.45	6.51	6.59	6.66	6.66	6.70	6.85	6.87	6.81	6.78
ACTUAL	6.50	6.46	6.42	6.44	6.50	6.55	6.52	6.59	6.72	6.77	6.77	6.77
DIFFERENCE	-0.01	0.02	0.03	0.07	0.09	0.12	0.14	0.11	0.13	0.09	0.04	0.00

POVERTY RATE

NO RECESSION	12.75	12.34	12.15	12.17	12.40	12.42	12.44	12.47	12.52	12.55	12.56	12.57
ACTUAL	12.20	12.53	12.86	13.21	13.67	14.02	14.28	14.43	14.61	14.54	14.48	14.41
DIFFERENCE	0.55	-0.18	-0.71	-1.04	-1.27	-1.61	-1.83	-1.96	-2.09	-1.99	-1.91	-1.84

PERCENT OF POPULATION ON AFDC: NO RECESSION PROGRAM

NO RECESSION	4.49	4.46	4.43	4.23	4.01	3.89	3.86	3.87	3.88	3.86	3.81	3.81
ACTUAL	4.44	4.39	4.36	4.35	4.17	4.06	4.01	4.10	4.17	4.18	4.15	4.18
DIFFERENCE	0.05	0.07	0.07	-0.12	-0.16	-0.17	-0.15	-0.23	-0.29	-0.33	-0.33	-0.36

12/26/84

AVERAGE BENEFIT MODEL
COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR NEW ENGLAND

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	15.27	14.37	13.11	12.90	12.63	12.35	11.66	13.22	14.12	13.61	12.92	12.40
ACTUAL	15.20	14.50	13.48	13.32	13.05	13.00	12.43	13.83	14.59	14.27	13.48	13.27
DIFFERENCE	0.07	-0.13	-0.37	-0.42	-0.42	-0.65	-0.76	-0.61	-0.47	-0.66	-0.56	-0.87

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	46.61	45.70	45.39	45.93	45.89	45.54	45.80	45.57	44.97	44.69	45.62	45.21
ACTUAL	45.36	43.31	43.39	48.20	45.79	44.72	47.47	44.91	45.55	44.68	48.95	45.06
DIFFERENCE	1.26	2.38	2.00	-2.28	0.10	0.82	-1.67	0.66	-0.58	0.01	-3.33	0.15

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,392.02	2,462.33	2,541.91	2,599.24	2,465.26	2,558.92	2,670.71	2,683.23	2,612.22	2,710.21	2,732.31	2,823.71
ACTUAL	2,487.20	2,486.62	2,470.40	2,467.95	2,469.78	2,486.07	2,513.88	2,507.08	2,567.47	2,609.23	2,617.15	2,644.63
DIFFERENCE	-95.18	-24.29	71.51	131.29	-4.52	72.85	156.83	176.15	44.75	100.98	115.16	179.08

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISION OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR MIDDLE ATLANTIC**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	15.56	15.15	14.13	13.50	13.25	12.81	12.34	14.09	14.15	13.61	13.31	13.25
ACTUAL	15.45	15.15	14.39	13.92	13.56	13.28	13.04	14.50	14.44	14.03	13.87	13.91
DIFFERENCE	0.11	-0.01	-0.26	-0.42	-0.31	-0.47	-0.69	-0.42	-0.29	-0.42	-0.55	-0.66

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	42.26	41.39	40.56	40.31	40.06	39.54	39.14	38.85	38.55	38.14	38.19	37.73
ACTUAL	41.00	40.05	39.47	40.63	41.18	40.56	39.88	40.22	40.65	39.95	39.55	39.53
DIFFERENCE	1.26	1.34	1.10	-0.32	-1.12	-1.02	-0.74	-1.36	-2.10	-1.81	-1.37	-1.80

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,416.50	2,477.54	2,556.73	2,586.10	2,484.39	2,532.56	2,594.99	2,631.57	2,571.95	2,608.87	2,655.95	2,723.88
ACTUAL	2,534.65	2,534.80	2,522.17	2,507.05	2,521.39	2,511.74	2,512.24	2,519.19	2,570.63	2,573.29	2,597.86	2,628.20
DIFFERENCE	-118.15	-57.26	34.56	79.04	-37.00	20.82	82.75	112.37	1.32	35.58	58.09	95.69

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

F12

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR MIDDLE ATLANTIC**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	15.56	15.15	14.13	13.50	13.25	12.81	12.34	14.09	14.15	13.61	13.31	13.25
ACTUAL	15.45	15.15	14.39	13.92	13.56	13.28	13.04	14.50	14.44	14.03	13.87	13.91
DIFFERENCE	0.11	-0.01	-0.26	-0.42	-0.31	-0.47	-0.69	-0.42	-0.29	-0.42	-0.55	-0.66

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	42.26	41.39	40.56	40.31	40.06	39.54	39.14	38.85	38.55	38.14	38.19	37.73
ACTUAL	41.00	40.05	39.47	40.63	41.18	40.56	39.88	40.22	40.65	39.95	39.55	39.53
DIFFERENCE	1.26	1.34	1.10	-0.32	-1.12	-1.02	-0.74	-1.36	-2.10	-1.81	-1.37	-1.80

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,416.50	2,477.54	2,556.73	2,586.10	2,484.39	2,532.56	2,594.99	2,631.57	2,571.95	2,608.87	2,655.95	2,723.88
ACTUAL	2,534.65	2,534.80	2,522.17	2,507.05	2,521.39	2,511.74	2,512.24	2,519.19	2,570.63	2,573.29	2,597.86	2,628.20
DIFFERENCE	-118.15	-57.26	34.56	79.04	-37.00	20.82	82.75	112.37	1.32	35.58	58.09	95.69

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR SOUTH ATLANTIC**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	16.97	15.32	14.51	13.47	13.60	13.13	12.60	14.29	13.72	13.88	13.32	13.27
ACTUAL	16.87	15.35	14.86	14.10	14.13	13.83	13.48	14.97	14.16	14.52	14.11	14.16
DIFFERENCE	0.10	-0.04	-0.35	-0.64	-0.53	-0.70	-0.88	-0.68	-0.44	-0.64	-0.79	-0.89

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	25.92	25.41	25.25	25.56	25.55	25.35	25.51	25.38	25.04	24.89	25.42	25.20
ACTUAL	25.52	24.92	24.90	24.79	25.17	25.27	25.60	25.54	25.71	25.48	25.53	25.59
DIFFERENCE	0.40	0.50	0.35	0.77	0.38	0.08	-0.09	-0.16	-0.66	-0.59	-0.11	-0.40

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,152.74	2,181.36	2,271.67	2,305.21	2,181.90	2,254.37	2,291.79	2,355.10	2,250.66	2,350.45	2,398.96	2,441.83
ACTUAL	2,238.89	2,211.88	2,203.20	2,189.68	2,179.21	2,186.23	2,172.68	2,192.35	2,215.83	2,258.92	2,283.40	2,297.27
DIFFERENCE	-86.15	-30.52	68.47	115.53	2.69	68.14	119.11	162.75	34.83	91.53	115.56	144.56

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR EAST NORTH CENTRAL**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	16.24	15.62	14.73	14.26	14.42	13.74	12.90	14.93	15.40	14.77	14.06	14.37
ACTUAL	16.06	15.57	14.92	14.64	14.84	14.38	13.73	15.41	15.73	15.36	14.86	15.25
DIFFERENCE	0.17	0.05	-0.19	-0.38	-0.42	-0.64	-0.83	-0.48	-0.33	-0.59	-0.80	-0.87

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.88	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.28	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	37.97	37.20	36.67	36.73	36.59	36.20	36.09	35.87	35.50	35.19	35.55	35.17
ACTUAL	39.57	38.10	37.38	37.56	37.26	35.85	34.83	36.05	36.80	35.10	34.72	35.46
DIFFERENCE	-1.61	-0.90	-0.71	-0.83	-0.67	0.35	1.26	-0.19	-1.30	0.09	0.83	-0.29

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,370.81	2,400.69	2,438.47	2,421.82	2,307.28	2,361.77	2,359.78	2,336.99	2,263.30	2,343.72	2,421.71	2,474.80
ACTUAL	2,446.23	2,429.82	2,396.10	2,359.08	2,319.72	2,322.26	2,291.88	2,258.01	2,282.08	2,317.42	2,353.73	2,378.33
DIFFERENCE	-75.42	-29.13	42.38	62.74	-12.44	39.51	67.90	78.99	-18.78	26.30	67.99	96.47

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR EAST SOUTH CENTRAL**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	16.66	15.86	14.71	13.75	13.72	13.16	12.54	14.34	14.53	14.07	13.45	13.35
ACTUAL	16.46	15.74	14.97	14.26	14.24	13.85	13.37	14.96	15.01	14.72	14.26	14.27
DIFFERENCE	0.19	0.12	-0.26	-0.51	-0.52	-0.68	-0.83	-0.62	-0.48	-0.65	-0.81	-0.92

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.88	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	16.39	16.06	15.80	15.78	15.71	15.53	15.45	15.35	15.20	15.06	15.17	15.00
ACTUAL	17.13	16.72	16.17	15.88	15.95	15.74	15.72	15.81	15.84	15.57	15.41	15.34
DIFFERENCE	-0.73	-0.66	-0.37	-0.10	-0.24	-0.21	-0.27	-0.47	-0.64	-0.51	-0.25	-0.34

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	1,801.93	1,800.04	1,875.90	1,873.06	1,800.95	1,844.23	1,851.24	1,884.61	1,812.24	1,871.97	1,922.12	1,956.13
ACTUAL	1,861.60	1,830.11	1,824.88	1,798.92	1,781.71	1,783.11	1,760.60	1,758.15	1,773.59	1,798.10	1,824.16	1,833.66
DIFFERENCE	-59.67	-30.07	51.03	74.14	19.23	61.12	90.64	126.46	38.65	73.87	97.96	122.46

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR WEST NORTH CENTRAL**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	15.76	14.82	14.37	12.90	12.90	12.40	12.18	13.63	13.76	13.19	12.69	12.40
ACTUAL	15.63	14.83	14.63	13.41	13.42	13.04	12.97	14.22	14.17	13.76	13.46	13.34
DIFFERENCE	0.12	-0.01	-0.26	-0.51	-0.52	-0.65	-0.79	-0.59	-0.41	-0.57	-0.77	-0.94

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.80	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.28	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.28	-0.67	-0.52	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	38.15	37.40	37.27	37.87	37.90	37.65	38.00	37.83	37.28	37.09	38.03	37.71
ACTUAL	37.99	36.78	37.60	37.24	37.53	37.08	37.59	37.72	37.95	37.38	37.90	37.27
DIFFERENCE	0.15	0.63	-0.33	0.63	0.37	0.57	0.41	0.11	-0.67	-0.29	0.13	0.44

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,129.18	2,160.43	2,233.19	2,240.67	2,160.42	2,196.01	2,194.29	2,259.35	2,136.58	2,214.20	2,280.36	2,337.70
ACTUAL	2,216.78	2,199.24	2,173.02	2,155.29	2,141.95	2,139.96	2,113.19	2,123.09	2,123.14	2,160.03	2,176.72	2,184.45
DIFFERENCE	-87.60	-38.81	60.17	85.37	18.47	56.05	81.10	136.26	13.43	54.17	103.64	153.26

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR WEST SOUTH CENTRAL**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	16.18	15.42	14.14	13.20	13.00	12.61	12.01	13.90	13.99	13.66	13.75	13.38
ACTUAL	13.93	15.32	14.41	13.85	13.57	13.35	12.93	14.60	14.64	14.39	13.97	14.08
DIFFERENCE	0.26	0.10	-0.26	-0.65	-0.57	-0.74	-0.92	-0.70	-0.65	-0.74	-0.22	-0.70

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	18.12	17.76	17.54	17.62	17.57	17.40	17.40	17.29	17.10	16.97	17.19	17.02
ACTUAL	17.83	17.46	17.41	17.00	16.98	16.78	16.53	16.46	16.52	16.44	17.23	17.86
DIFFERENCE	0.29	0.30	0.13	0.63	0.60	0.62	0.87	0.83	0.58	0.53	-4.04	-0.85

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,229.83	2,294.98	2,428.96	2,523.72	2,421.98	2,452.04	2,439.75	2,425.15	2,355.25	2,366.62	2,376.23	2,429.54
ACTUAL	2,385.44	2,384.12	2,394.21	2,408.55	2,423.92	2,391.48	2,338.27	2,306.74	2,315.19	2,302.40	2,299.95	2,309.39
DIFFERENCE	-155.61	-89.13	34.75	115.17	-1.94	60.56	101.48	118.41	40.07	64.22	76.27	120.15

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

FEB

12/26/84

**COMPARISON OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR PACIFIC NORTH WEST**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	17.88	17.76	16.52	16.55	15.01	14.31	13.27	15.17	15.49	14.76	13.97	13.96
ACTUAL	17.89	18.04	16.96	17.10	15.60	14.96	14.11	15.77	15.96	15.36	14.67	14.85
DIFFERENCE	-0.01	-0.27	-0.44	-0.55	-0.59	-0.64	-0.85	-0.60	-0.48	-0.60	-0.70	-0.89

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

	88.47	86.58	84.88	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
NO RECESSION	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
ACTUAL	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

	46.58	45.67	45.43	46.05	46.04	45.71	46.04	45.82	45.19	44.93	45.95	45.55
NO RECESSION	44.85	41.54	43.16	45.85	44.78	46.10	45.89	45.62	46.31	45.86	45.81	45.10
ACTUAL	1.74	4.13	2.27	0.19	1.26	-0.40	0.15	0.20	-1.12	-0.93	0.14	0.46

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

	2,403.23	2,435.23	2,476.50	2,457.36	2,359.50	2,393.05	2,402.21	2,421.14	2,346.99	2,401.64	2,389.72	2,455.99
NO RECESSION	2,470.33	2,444.69	2,400.89	2,357.30	2,334.82	2,322.41	2,287.25	2,276.94	2,296.29	2,321.58	2,308.43	2,327.30
ACTUAL	-67.10	-9.46	75.61	100.05	24.68	70.65	114.95	144.20	50.70	80.06	81.29	128.69

REAL MEAN INCOME POVERTY DEFICIT

	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
NO RECESSION	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
ACTUAL	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34

12/26/84

**COMPARISION OF VARIABLES IN FOODSTAMP
PRIMARY MODEL FOR PACIFIC SOUTH WEST**

REAL AVERAGE COST PER RECIPIENT

	1981:1	1981:2	1981:3	1981:4	1982:1	1982:2	1982:3	1982:4	1983:1	1983:2	1983:3	1983:4
NO RECESSION	14.68	14.02	12.89	11.87	11.63	11.53	11.08	12.83	12.97	12.52	12.06	11.78
ACTUAL	14.57	14.07	13.09	12.37	12.06	12.12	11.85	13.41	13.43	13.15	12.78	12.60
DIFFERENCE	0.11	-0.05	-0.21	-0.49	-0.43	-0.59	-0.78	-0.58	-0.46	-0.63	-0.72	-0.82

REAL MAXIMUM ALLOTMENT FOR A FAMILY OF 4

NO RECESSION	88.47	86.58	84.00	82.33	81.45	80.08	78.26	86.29	85.99	84.77	83.51	82.29
ACTUAL	88.62	86.61	84.20	83.01	82.33	81.09	79.59	86.24	86.35	85.30	84.28	83.25
DIFFERENCE	-0.15	-0.03	-0.20	-0.67	-0.88	-1.01	-1.33	0.05	-0.36	-0.53	-0.77	-0.96

REAL AVERAGE AFDC PAYMENT PER RECIPIENT

NO RECESSION	50.42	49.46	49.49	50.57	50.69	50.43	51.14	50.94	50.13	49.94	51.48	51.10
ACTUAL	50.29	48.47	51.31	50.90	50.68	50.22	50.19	50.20	50.16	49.45	51.04	50.69
DIFFERENCE	0.13	0.99	-1.81	-0.33	0.00	0.21	0.95	0.74	-0.02	0.48	0.44	0.41

REAL PER-CAPITA WAGE AND SALARY DISBURSEMENTS

NO RECESSION	2,555.22	2,609.24	2,704.84	2,743.18	2,607.48	2,661.59	2,678.17	2,711.45	2,631.45	2,715.40	2,749.89	2,798.59
ACTUAL	2,657.37	2,639.08	2,622.46	2,604.23	2,600.29	2,590.24	2,556.58	2,556.20	2,597.74	2,623.19	2,632.01	2,645.35
DIFFERENCE	-102.15	-29.84	82.38	138.95	7.19	71.36	121.59	155.26	33.71	92.22	117.88	153.24

REAL MEAN INCOME POVERTY DEFICIT

NO RECESSION	1,296.48	1,273.71	1,242.55	1,222.49	1,290.96	1,273.04	1,249.35	1,239.91	1,261.46	1,246.87	1,231.70	1,217.10
ACTUAL	1,333.46	1,305.85	1,270.87	1,250.21	1,374.57	1,356.39	1,333.03	1,327.88	1,369.05	1,354.60	1,340.89	1,326.44
DIFFERENCE	-36.98	-32.15	-28.33	-27.72	-83.61	-83.35	-83.68	-87.97	-107.60	-107.73	-109.19	-109.34